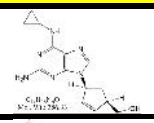
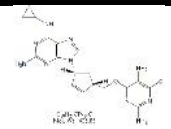
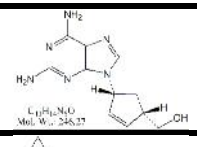
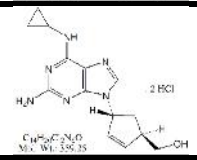
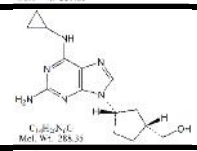
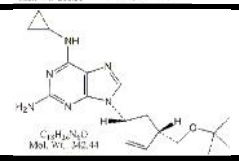
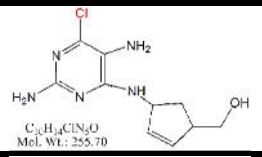
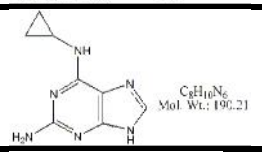
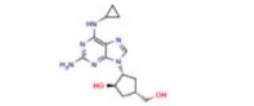
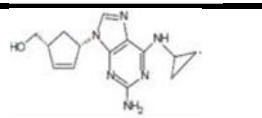
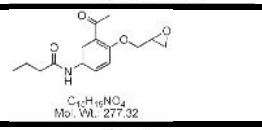
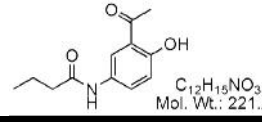
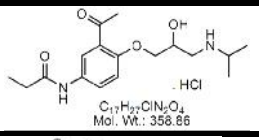
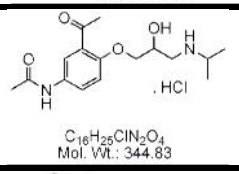
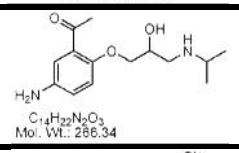
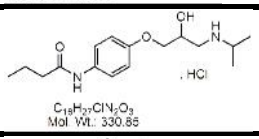
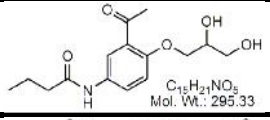
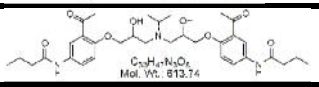
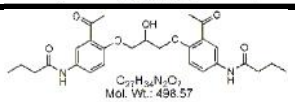
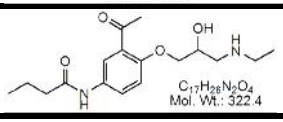
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
A	**ABACAVIR**					
	Abacavir EP Impurity A	(1R,4S)-Abacavir ; ent-Abacavir ; [(1R,4S)-4-[2-Amino-6-(cyclopropylamino)-9H-purin-9-yl]cyclopent-2-enyl]methanol	136470-79-6	C14H18N6O	286.33	
	Abacavir EP Impurity B	Abacavir USP RC D ; O-Pyrimidine Derivative Abacavir (USP) ; 6-(Cyclopropylamino)-9-[(1R,4S)-4-[[(2,5-diamino-6-chloropyrimidin-4-yl)oxy]methyl]cyclopent-2-enyl]-9H-purine-2-amine ;	1443421-69-9	C18H21ClN10O	428.88	
	Abacavir EP Impurity C	Abacavir USP RC A ; Descyclopropyl Abacavir (USP) ; [(1S,4R)-4-(2,6-Diamino-9H-purin-9-yl)cyclopent-2-enyl]methanol.	124752-25-6	C11H14N6O	246.27	
	Abacavir EP Impurity D	trans-Abacavir Dihydrochloride ; [(1R,4R)-4-[2-Amino-6-(cyclopropylamino)-9H-purin-9-yl]cyclopent-2-enyl]methanol dihydrochloride ;	783292-37-5	C14H20Cl2N6O	359.25	
	Abacavir EP Impurity E	Dihydro Abacavir ; [(1R,3S)-3-[2-Amino-6-(cyclopropylamino)-9H-purin-9-yl]cyclopentyl] methanol.	208762-35-0	C14H20N6O	288.35	
	Abacavir EP Impurity F	O-t-Butyl Derivative Abacavir (USP) ; Abacavir t-Butyl Ether ; 6-(Cyclopropylamino)-9-[(1R,4S)-4-[[(1,1-dimethylethyl)oxy]methyl]cyclopent-2-enyl]-9H-purine-2-amine.	1443421-68-8	C18H26N6O	342.44	

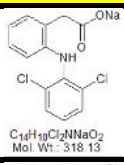
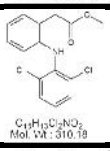
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Abacavir USB RC B	[4-(2,5-Diamino-6-chloropyrimidin-4-ylamino)cyclopent-2-enyl]methanol ;	141271-12-7	C19H14ClN5O	255.70	
	Abacavir Cyclopropyl	N6-Cyclopropyl-9H-purine-2,6-diamine.	120503-69-7	C8H10N6	190.21	
	3-Hydroxy Abacavir	(1R,2R,4S)-2-(2-amino-6-(cyclopropylamino)-9H-purin-9-yl)-4-(hydroxymethyl)cyclopentanol	NA	C14H20N6O2	304.35	
	Abacavir Enantiomer Impurity	(1R,4R)-4-[2-Amino-6-(cyclopropyl amino)-9H-purin-9-yl]-2-cyclopentene-1-methanol.	NA	C14H18N6O	286.3	
	ACEBUTOLOL					
	Acebutolol HCl	Acebutolol Hydrochloride ; N-[3-Acetyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl)amino]propoxy] phenyl]butanamide hydrochloride ;	34381-68-5	C18H29ClN2O4	372.89	
	Acebutolol EP Impurity A	Acebutolol EP Impurity A ; 3'-Acetyl-4'-(2,3-epoxypropoxy)-butyranilide ;	28197-66-2	C15H19NO4	277.32	
	Acebutolol EP Impurity C	N-(3-Acetyl-4-hydroxyphenyl)butanamide ;	40188-45-2	C12H15NO3	221.25	

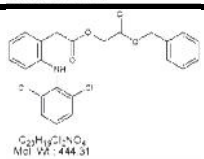
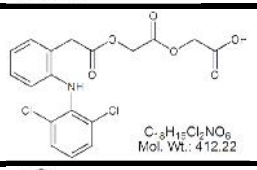
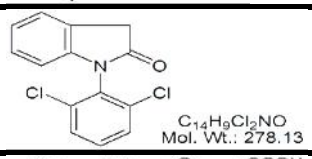
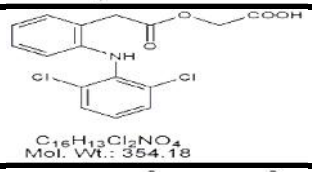
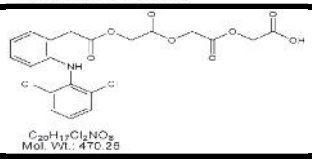
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Acebutolol EP Impurity J	N-[3-Acetyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl) amino] propoxy] phenyl] propanamide hydrochloride ;	57898-79-0	C17H27ClN2O4	358.86	
	Acebutolol EP Impurity B	Acebutolol USP RC B ; Diacetolol Hydrochloride ; N-[3-acetyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl) amino] propoxy] phenyl] acetamide hydrochloride ; 73899-76-0 (HCl salt) ; 22568-64-5 (base) ;	NA	C16H25ClN2O4	344.83	
	Acebutolol EP Impurity D	Acebutolol EP Impurity D ; 1-[5-Amino-2-[(2RS)-2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]ethanone ;	57898-80-3	C14H22N2O3	266.34	
	Acebutolol EP Impurity E	Acebutolol EP Impurity E ; Acebutolol Desacetyl Impurity ; N-[4-[(2RS)-2-Hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]butanamide hydrochloride ;	NA	C16H27ClN2O3	330.85	
	Acebutolol EP Impurity F	Acebutolol EP Impurity F ; Acebutolol Diol ; N-[3-Acetyl-4-[(2RS)-2,3-dihydroxypropoxy] phenyl]butanamide ;	96480-91-0	C15H21NO5	295.33	
	Acebutolol EP Impurity G	N,N?-[[(1-Methylethyl)imino]bis[(2-hydroxypropane-1,3-diyl)oxy(3-acetyl-1,4-phenylene)]]dibutanamide ;	1330165-98-4	C33H47N3O8	613.74	
	Acebutolol EP Impurity H	N,N[(2-Hydroxypropane-1,3-diyl)bis[oxy(3-acetyl-1,4-phenylene)]]dibutanamide	1329613-31-1	1329613-31-1	498.57	
	Acebutolol EP Impurity I	N-[3-Acetyl-4-[(2RS)-3-(ethylamino)-2-hydroxypropoxy]phenyl]butanamide ;	441019-91-6	C17H26N2O4	322.40	

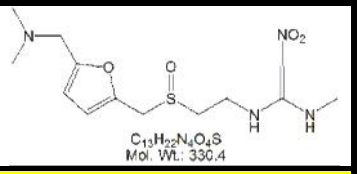
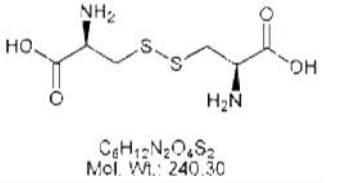
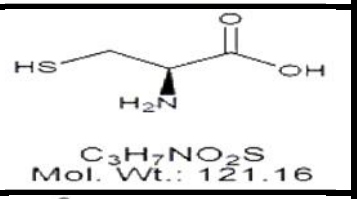
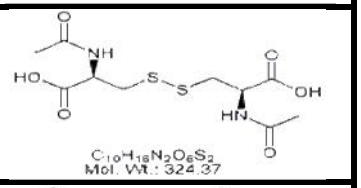
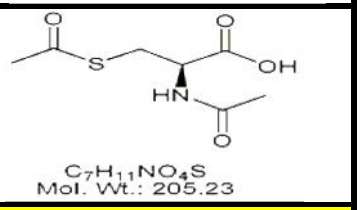
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Acebutolol EP Impurity K	3-Deacetyl-3-Butanoyl Acebutolol Hydrochloride ; N-[3-Butanoyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl) amino] propoxy] phenyl] butanamide HCl ;	57898-71-2	C20H33ClN2O4	400.94	
	ACECLOFENAC					
	Aceclofenac EP Impurity A	[2-[(2,6-Dichlorophenyl)amino]phenyl]acetic acid sodium salt ;	15307-79-6	C14H11Cl2NO2	296.15	
	Aceclofenac	[[[2-[(2,6-Dichlorophenyl)amino]phenyl]acetyl]oxy]acetic acid ;	89796-99-6	C16H13Cl2NO4	354.18	
	Aceclofenac EP Impurity B	Methyl [2-[(2,6-dichlorophenyl)amino]phenyl]acetate ;	15307-78-5	C15H13Cl2NO2	310.18	
	Aceclofenac EP Impurity C	Ethyl [2-[(2,6-dichlorophenyl)amino]phenyl]acetate ;	15307-77-4	C16H15Cl2NO2	324.20	

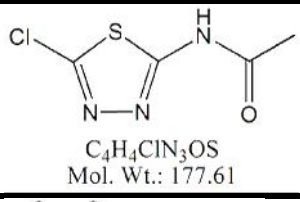
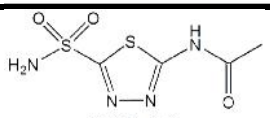
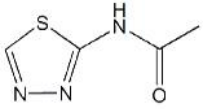
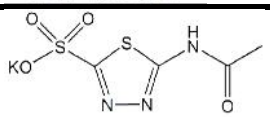
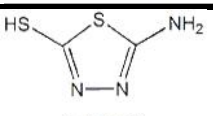
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aceclofenac EP Impurity D	Methyl [[[2-[(2,6-dichlorophenyl)amino]phenyl] acetyl]oxy]acetate ;	139272-66-5	C17H15Cl2NO4	368.21	
	Aceclofenac EP Impurity F	Benzyl [[[2-[(2,6-dichlorophenyl)amino]phenyl] acetyl]oxy]acetate ;	100499-89-6	C23H19Cl2NO4	444.31	
	Aceclofenac EP Impurity G	[[[[[2-[(2,6-Dichlorophenyl)amino]phenyl] acetyl]oxy]acetyl]oxy]acetic acid ;	1215709-75-3	C18H15Cl2NO6	412.22	
	Aceclofenac EP Impurity I	1-(2,6-Dichlorophenyl)-1,3-dihydro-2H-indol-2-one ;	15362-40-0	C14H9Cl2NO	278.13	
	Aceclofenac	[[[2-[(2,6-Dichlorophenyl)amino]phenyl]acetyl]oxy]acetic acid ;	89796-99-6	C16H13Cl2NO4	354.18	
	Aceclofenac EP Impurity H	Diacetic Aceclofenac ; [[[[[[[2-[(2,6-Dichlorophenyl)amino]phenyl]acetyl]oxy]acetyl] oxy]acetyl]oxy]acetic acid ;	NA	C20H17Cl2NO8	470.26	

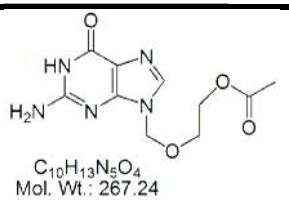
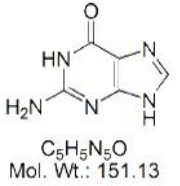
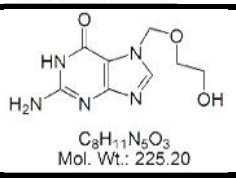
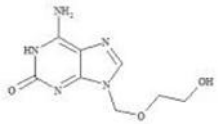
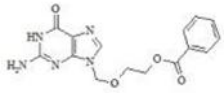
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aceclofenac EP Impurity E	Ethyl [[[2-[(2,6-dichlorophenyl) amino] phenyl] acetyl] oxy] acetate ;	139272-67-6	C18H17Cl2NO4	382.24	
	ACETYLCYSTEINE					
	Acetylcysteine EP Impurity A	L-Cystine ;	56-89-3	C6H12N2O4S2	240.30	
	Acetylcysteine EP Impurity B	L-Cysteine ;	52-90-4	C3H7NO2S	121.16	
	Acetylcysteine EP Impurity C	N,N'-Diacetyl-L-cystine ;	5545-17-5	C10H16N2O6S2	324.37	
	Acetylcysteine EP Impurity D	N,S-Diacetyl-L-cysteine ;	18725-37-6	C7H11NO4S	205.23	
	ACETAZOLAMIDE					

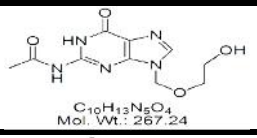
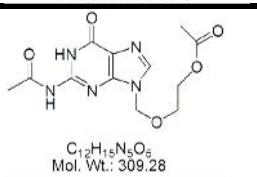
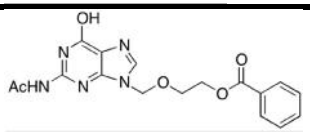
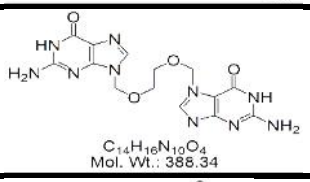
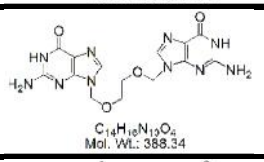
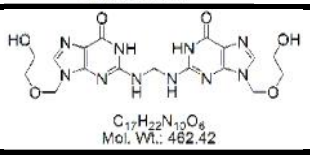
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Acetazolamide EP Impurity A	N-(5-Chloro-1,3,4-thiadiazol-2-yl)acetamide ;	60320-32-3	C4H4ClN3OS	177.61	 $C_4H_4ClN_3OS$ Mol. Wt.: 177.61
	Acetazolamide	N-(5-Sulfamoyl-1,3,4-thiadiazol-2-yl)acetamide ;	59-66-5	C4H6N4O3S2	222.25	 $C_4H_6N_4O_3S_2$ Mol. Wt.: 222.25
	Acetazolamide EP Impurity B	N-(1,3,4-Thiadiazol-2-yl)acetamide ;	5393-55-5	C4H5N3OS	143.17	 $C_4H_5N_3OS$ Mol. Wt.: 143.17
	Acetazolamide EP Impurity E	5-Acetamido-1,3,4-thiadiazole-2-sulfonic acid potassium salt ;	NA	C4H4KN3O4S2	261.32	 $C_4H_4KN_3O_4S_2$ Mol. Wt.: 261.32
	Acetazolamide EP Impurity G	5-Amino-1,3,4-thiadiazole-2-thiol ;	2349-67-9	C2H3N3S2	133.2	 $C_2H_3N_3S_2$ Mol. Wt.: 133.2
	ACICLOVIR					

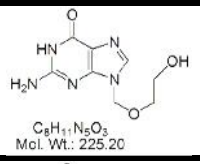
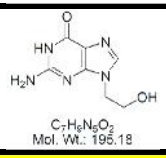
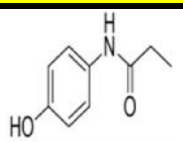
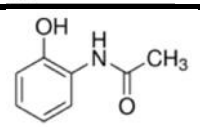
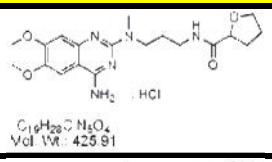
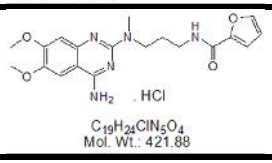
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aciclovir	Valaciclovir EP Impurity B ; 2-Amino-9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one ;	59277-89-3	C8H11N5O3	225.20	
	Aciclovir EP Impurity A	2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl acetate ;	102728-64-3	C10H13N5O4	267.24	
	Aciclovir EP Impurity B	2-Amino-1,9-dihydro-6H-purin-6-one ;	73-40-5	C5H5N5O	151.13	
	Aciclovir EP Impurity C	2-Amino-7-[(2-hydroxyethoxy)methyl]-1,7-dihydro-6H-purin-6-one	91702-61-3	C8H11N5O3	225.20	
	Aciclovir Impurity E	NA	NA	C8H11N5O3	225.21	
	Aciclovir EP Impurity D	NA	59277-91-7	C15H15N5O4	329.32	

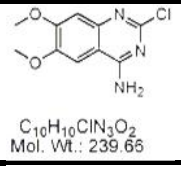
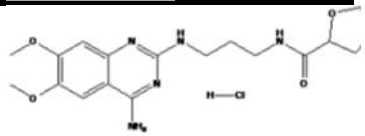
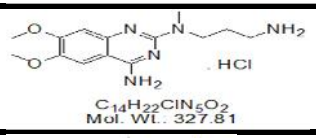
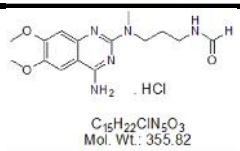
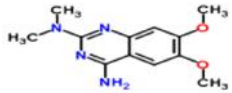
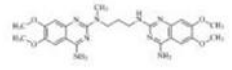
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aciclovir EP Impurity F	N-[9-[(2-Hydroxyethoxy)methyl]-6-oxo-6,9-dihydro-1H-purin-2-yl]acetamide ;	110104-37-5	C10H13N5O4	267.24	
	Aciclovir EP Impurity G	2-[[2-(Acetylamino)-6-oxo-1,6-dihydro-9H-purin-9-yl]methoxy]ethyl acetate ;	75128-73-3	C12H15N5O5	309.28	
	Aciclovir EP Impurity H	2-((2-acetamido-6-oxo-1H-purin-9(6H)-yl)methoxy)ethyl benzoate	133186-23-9	C17H17N5O5	371.36	
	Aciclovir EP Impurity I	2-Amino-7-[[2-[(2-amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethoxy] methyl]-1,7-dihydro-6H-purin-6-one ;	1797832-75-7	C14H16N10O4	388.34	
	Aciclovir EP Impurity J	9,9'-[Ethylenebis(oxymethylene)]bis(2-amino-1,9-dihydro-6H-purin-6-one) ;	166762-90-9	C14H16N10O4	388.34	
	Aciclovir EP Impurity K	2,2'-[Methylenediimino]bis[9-[(2-hydroxyethoxy)methyl]1,9-dihydro-6H-purin-6-one] ;	1797131-64-6	C17H22N10O6	462.42	

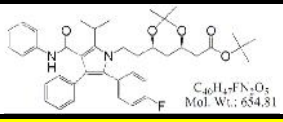
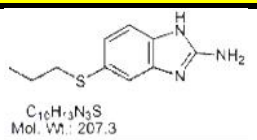
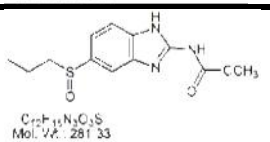
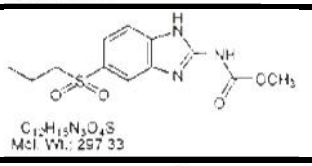
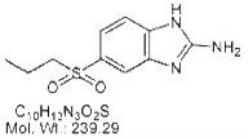
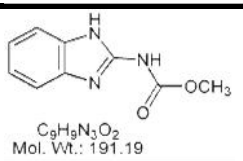
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aciclovir	Valaciclovir EP Impurity B ; 2-Amino-9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one ;	59277-89-3	C8H11N5O3	225.20	
	Aciclovir EP Impurity P	2-Amino-9-(2-hydroxyethyl)1,9-dihydro-6H-purin-6-one ;	23169-33-7	C7H9N5O2	195.18	
	ACETAMINOPHEN					
	Acetaminophen Related Compound B	N-(4-hydroxyphenyl)propionamide, Acetaminophen Impurity B, Paracetamol EP Impurity B	1693-37-4	C9H11NO2	165.19	
	Acetaminophen Related Compound C	2?-Hydroxyacetanilide, 2-Acetamidophenol, N-(2-Hydroxyphenyl)acetamide,	614-80-2	CH3CONHC6H4OH	151.16	
	ALFUZOSIN					
	Alfuzosin HCl	Alfuzosin Hydrochloride working standard	81403-68-1	C19H28ClN5O4	425.91	
	Alfuzosin EP Impurity A	Alfuzosin EP Impurity A ; Alfuzosin USP Related Compound A ; Alfuzosin Tetradehydro Impurity ; N-[3-[(4-Amino-6,7-dimethoxyquinazolin-2-yl)(methyl)amino]propyl]furan-2-carboxamide hydrochloride	98902-29-5	C19H24ClN5O4	421.88	

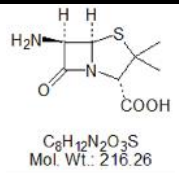
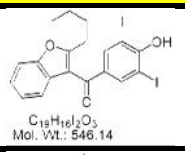
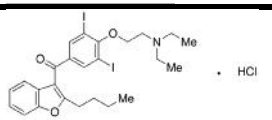
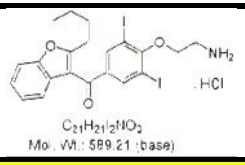
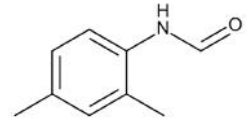
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Alfuzosin EP Impurity B	Alfuzosin EP Impurity B ; 2-chloro-6,7-dimethoxyquinazolin-4-amine ; 4-Amino-2-chloro-6,7-dimethoxyquinazoline ; 2-Chloro-6,7-dimethoxy-4-quinazolinamine	23680-84-4	C10H10ClN3O2	239.66	
	Alfuzosin EP Impurity C	N-(3-(4-amino-6,7-dimethoxyquinazolin-2-ylamino)propyl)-tetrahydrofuran-2-carboxamide; N-Desmethyl impurity of Alfuzosin	NA	C18H26ClN5O4 (HCl Salt)	411.17 (HCl salt)	
	Alfuzosin EP Impurity D	Alfuzosin EP Impurity D ; Alfuzosin Aminopropyl Impurity ; Alfuzosin USP Related Compound D	81403-69-2	C14H22ClN5O2	327.81	
	Alfuzosin EP Impurity E	N-Formyl Alfuzosin ; N-[3-[(4-Amino-6,7-dimethoxyquinazolin-2-yl)(methyl)amino]propyl]formamide hydrochloride	1026411-59-5	C15H22ClN5O3	355.82	
	Alfuzosin EP Impurity F	6,7-dimethoxy-N2,N2-dimethylquinazoline-2,4-diamine	19216-68-3	C12H16N4O2	248.28	
	Alfuzosin EP Impurity G	N2-(3-(4-amino-6,7-dimethoxyquinazolin-2-ylamino)propyl)-6,7-dimethoxy-N2-methylquinazoline-2,4-diamine	928780-95-4	C24H30N8O4	494.56	
	ATORVASTATIN					

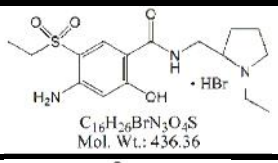
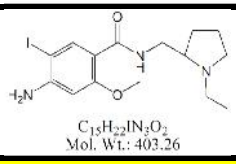
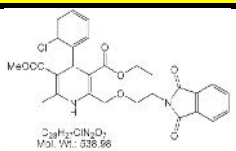
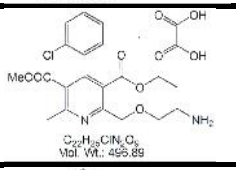
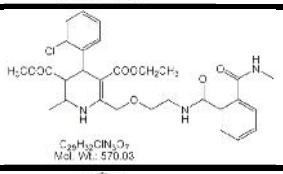
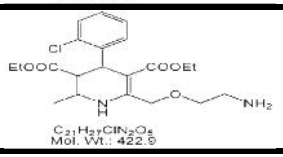
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Atorvastatin EP Impurity I	(4R,6R)-6-[2-[2-(4-Fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]-2,2-dimethyl-1,3-dioxane-4-acetic acid t-butyl ester.	125971-95	C40H47FN2O5	654.81	
	ALBENDAZOLE					
	Albendazole EP Impurity A	5-(Propylsulphanyl)-1H-benzimidazol-2-amine ;	80983-36-4	C10H13N3S	207.3	
	Albendazole EP Impurity B	Methyl [5-(propylsulphinyl)-1Hbenzimidazol-2-yl]carbamate ;	54029-12-8	C12H15N3O3S	281.33	
	Albendazole EP Impurity C	Methyl [5-(propylsulphonyl)-1Hbenzimidazol-2-yl]carbamate ;	75184-71-3	C12H15N3O4S	297.33	
	Albendazole EP Impurity D	Desmethoxycarbonyl Albendazole Sulfone ; 5-(Propylsulphonyl)-1Hbenzimidazol-2-amine	80983-34-2	C10H13N3O2S	239.29	
	Albendazole EP Impurity E	Methyl (1H-benzimidazol-2-yl)carbamate ;	10605-21-7	C9H9N302	191.19	
	AMOXICILLIN					

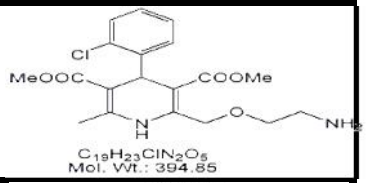
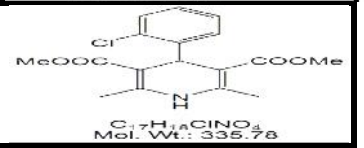
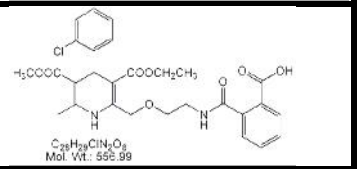
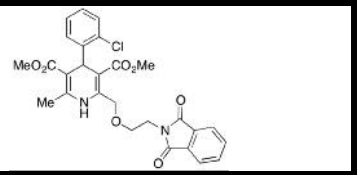
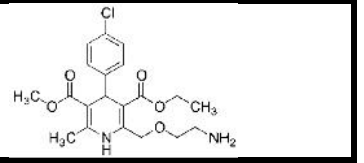
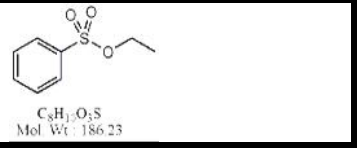
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Amoxicillin EP Impurity A	(+)-6-Aminopenicillanic acid ; (2S,5R,6R)-6-Amino-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid ;	551-16-6	C8H12N2O3S	216.26	
	AMIODARONE					
	Amiodarone EP Impurity D	2-Butyl-3-(3,5-diiodo-4-hydroxybenzoyl)benzofuran ;	1951-26-4	C19H16I2O3	546.14	
	Amiodarone Hydrochloride	(2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone Hydrochloride; 4-[2-(Diethylamino)ethoxy]-3,5-diiodophenyl 2-butyl-3-benzofuranyl Ketone Hydrochloride;	19774-82-4	C25H30ClI2NO3	681.77	
	Amiodarone Didesethyl Impurity	N,N-Di-desethyl Amiodarone ; (2-Butylbenzofuran-3-yl)[4-[2-aminoethoxy]-3,5-diiodophenyl]methanone ;	757220-04-5	C21H21I2NO3	589.21	
	AMITRAZ					
	Amitraz Impurity B	Amitraz Imp. B (BP): Form-2',4'-xylidide	60397-77-5	C9H11NO	149.1897	
	AMISULPRIDE					

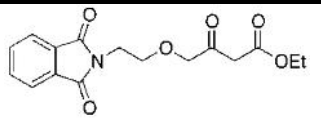
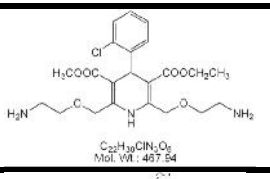
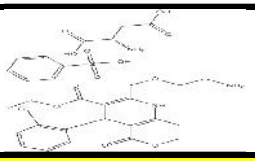
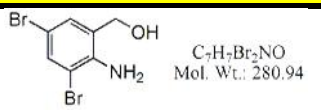
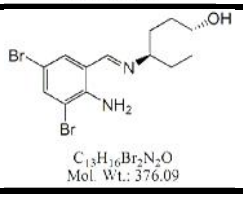
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Amisulpride EP Impurity B	4-Amino-N-[[(2RS)-1-ethylpyrrolidin-2-yl]methyl]-5-(ethylsulfonyl)-2-hydroxybenzamide HBr ;	NA	C16H26BrN3O4S	436.36	
	Amisulpride EP Impurity C	4-Amino-N-[[(2RS)-1-ethylpyrrolidin-2-yl]methyl]-5-iodo-2-methoxybenzamide ;	176849-91-5	C15H22IN3O2	403.26	
	AMLODIPINE					
	Amlodipine EP Impurity A	NA	88150-62-3	C28H27ClN2O7	538.98	
	Amlodipine EP Impurity D	Amlodipine EP Impurity D ; Amlodipine USP Related Compound A ; Dehydro Amlodipine Oxalate ; 3-Ethyl 5-methyl 2-[(2-aminoethoxy)methyl]-4-(2- chlorophenyl)-6-methylpyridine-3,5-dicarboxylate oxalate salt	1216406-90-4	C22H25ClN2O9	496.89	
	Amlodipine EP Impurity B	Amlodipine EP Impurity B ; 3-Ethyl 5-methyl 4-(2-chlorophenyl)-6-methyl-2-[[2- [[2-(methylcarbamoyl)benzoyl]amino]ethoxy]methyl]-1,4-dihydropyridine-3,5-dicarboxylate	721958-72-1	C29H32ClN3O7	570.03	
	Amlodipine EP Impurity E	Amlodipine USP RC E ; Amlodipine Diethyl Ester ; 3-Ethyl 5-ethyl 4-(2-chlorophenyl)-6-methyl-2-[[2- [(2-aminoethoxy)methyl]-1,4-dihydropyridine-3,5-dicarboxylate	140171-65-9	C21H27ClN2O5	422.9	

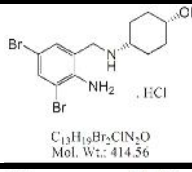
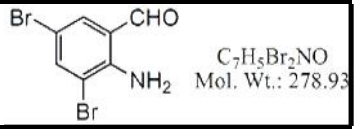
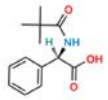
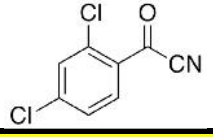
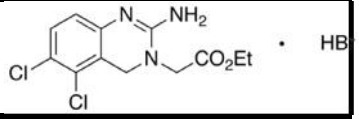
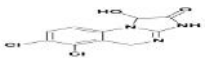
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Amlodipine EP Impurity F	Amlodipine USP RC F ; Amlodipine Dimethyl Ester ; 3-Methyl 5-methyl 4-(2-chlorophenyl)-6-methyl-2-[[2- [(2-aminoethoxy)methyl]-1,4-dihydropyridine-3,5-dicarboxylate	140171-66-0	C19H23ClN2O5	394.85	
	Amlodipine EP Impurity G	Amlodipine USP RC C ; 3-Methyl 5-methyl 4-(2-chlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate ;	43067-01-2	C17H18ClN04	335.78	
	Amlodipine EP Impurity H	Amlodipine EP Impurity H ; 3-Ethyl 5-methyl 4-(2-chlorophenyl)-6-methyl-2-[2-[(2-carboxybenzoyl) amino ethoxy)]methyl]-1,4-dihydropyridine-3,5-dicarboxylate ;	318465-73-5	C28H29ClN2O8	556.99	
	Amlodipine EP Impurity 1	4-(2-Chlorophenyl)-2-[[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)ethoxy]methyl]-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic Acid 3,5-Dimethyl Ester	140171-50-2	C??H??ClN?O?	524.95	
	P-Cl-Amlodipine	3-Ethyl 5-methyl Ester 2-[(2-Aminoethoxy)methyl]-4-(4-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic Acid;	90445-02-6	C20H25ClN2O2	408.88	
	Benzenesulfonic Acid Ethyl Ester	Benzenesulfonic Acid Ethyl Ester ; Ethyl Benzenesulfonate ; Ethyl Besylate ;	515-46-8	C8H10O3S	186.23	

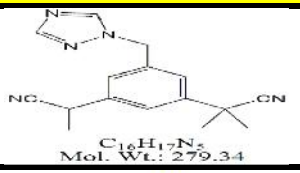
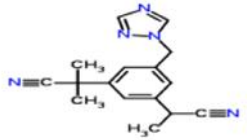
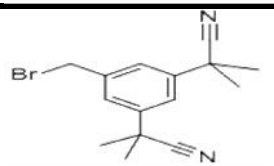
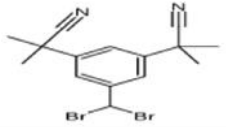
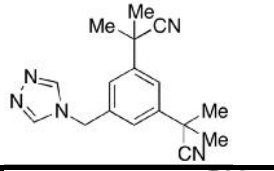
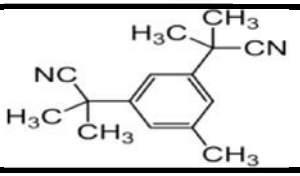
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Amlodipine EP Impurity 2	Ethyl 4-(2-Phthalimidoethoxy)acetoacetate; 4-[2-(1,3-Dioxo-1,3-dihydroisoindol-2-yl)ethoxy]-3-oxobutanoic Acid Ethyl Ester; 4-[2-(1,3-Dihydro-1,3-dioxo-2H-isoindol-2-yl)ethoxy]-3-oxobutanoic Acid Ethyl Ester.	88150-75-8	C16H17NO6	319.31	
	Amlodipine EP Impurity C	Amlodipine EP Impurity C ; Bis(aminoethoxy) Amlodipine ; Ethyl methyl 2,6-bis[(2-aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydropyridine-3,5-dicarboxylate ;	721958-74-3	C22H30ClN3O6	467.94	
	AMlodipine Aspartic Acid IMpurity	AMlodipine Aspartic Acid IMpurity	400602-35-9	C30H38ClN3O12S	700.16	
	AMBROXOL					
	Ambroxol EP Impurity A	Ambroxol EP Impurity A ; Bromhexine EP Impurity A ; 2-Amino-3,5-dibromobenzenemethanol ; (2-Amino-3,5-dibromophenyl)methanol ; (2-Amino-3,5-dibromo-1-hydroxymethyl)benzene ; (2,4-dibromo-6-hydroxymethyl)aniline ;	50739-76-9	C7H7Br2NO	280.94	
	Ambroxol EP Impurity B	trans-4-(6,8-Dibromo-1,4-dihydroquinazolin-3(2H)-yl)cyclohexanol hydrochloride ;	15942-08-2	C14H18Br2N2O	390.11	
	Ambroxol EP Impurity C	Dehydro Ambroxol ; trans-4-[[(E)-2-Amino-3,5-dibromobenzyliden]amino]cyclohexanol ;	50910-53-7	C13H16Br2N2O	376.09	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ambroxol EP Impurity D	cebrophylline Impurity D ; cis-Ambroxol HCl ; cis-4-[(2-Amino-3,5-dibromobenzyl)amino]cyclohexanol HCl ;	107814-37-9	C13H19Br2ClN2O	414.56	
	Ambroxol EP Impurity E	Bromhexine EP Impurity B ; 2-Amino-3,5-dibromobenzaldehyde ;	50910-55-9	C7H5Br2NO	278.93	
	AMPICILLIN					
	Ampicillin Impurity K	(2R)-2-[(2,2-Dimethylpropanoyl)amino]-2-phenylacetic acid	40610-41-1	C13H17NO3	235.28	
	2,4-Dichlorobenzoyl Cyanide	2,4-Dichlorophenylglyoxylonitrile; 2,4-Dichloro-?-oxo-benzeneacetonitrile.	35022-43-6	C8H3Cl2NO	200.02	
	ANAGRELIDE					
	Anagrelide Impurity C	2-Amino-5,6-dichloro-3(4H)-quinazoline Acetic Acid Ethyl Ester Hydrobromide; USP Anagrelide Related Compound C;	70381-75-8	C12H14BrCl2N3O2	383.07	
	Anagrelide Impurity D	1-Hydroxy Anagrelide;6,7-Dichloro-3,5-dihydro-1-hydroxyimidazo[1,2-a]quinazolin-2(1H)-one; Anagrelide Impurity.	875467-41-7	C10H7Cl2N3O2	272.09	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	ANASTROZOLE					
	Anastrozole EP Impurity A	Anastrozole USP RC B ; ?-Desmethyl Anastrozole ; 2-[3-[(1RS)-1-Cyanoethyl]-5-(1H-1,2,4-triazol-1-ylmethyl)phenyl]-2-methylpropanenitrile ;	1215780-15-6	C16H17N5	279.34	
	Anastrozole USP Impurity B	NA	1215780-15-6	C16H17N5	279.34	
	Anastrozole USP Impurity D	NA	120511-84-4	C15H17BrN2	305.21	
	Anastrozole USP Impurity E	NA	1027160-12-8	C15H16Br2N2	384.11	
	Anastrozole EP Impurity G	Anastrozole regio isomer; 2,2?-[5-(4H-1,2,4-triazol-4-ylmethyl)benzene-1,3-diyl]bis(2-methylpropanenitrile).	120511-92-4	C17H19N5	293.37	
	Anastrozole EP Impurity H	2,2'-(5-methylbenzene-1,3-diyl)bis(2-methylpropanenitrile)	120511-72-0	C15H18N2	226.32	

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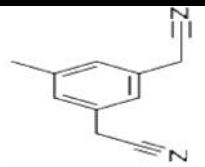
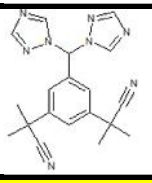
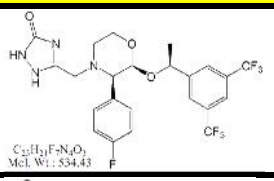
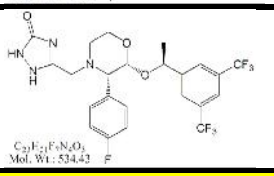
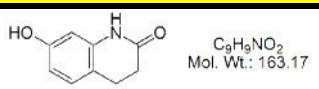
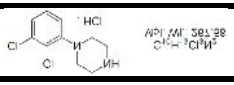
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Anastrozole Impurity 1	Anastrozole 1,3-Dicyanomethyl Impurity; 1,3-Bis(cyanomethyl)-5-methylbenzene ; (3-Cyanomethyl-5-methylphenyl)acetonitrile ; 5-Methylbenzene-1,3-diacetonitrile	120511-74-2	C11H10N2	170.21	
	Anastrozole Impurity 2	2,2'-(5-((1H-1,2,4-triazole-4-yl)(4H-1,2,4-triazole-4-yl)methyl)-1,3-phenylene)bis(2-methylpropanenitrile)	NA	C19H20N8	360.42	
	APREPITANT					
	Aprepitant EP Impurity D	3-[[(2S,3R)-2-[(S)-1-[3,5-Bis(trifluoromethyl)phenyl]ethoxy]-3-(4-fluoro phenyl)morpholino]methyl]-1H-1,2,4-triazol-5(4H)-one.	172822-29-6	C23H21F7N4O3	534.43	
	Aprepitant (S,R,S)-Isomer	5-([(2R,3S)-2-((S)-1-[3,5-bis(trifluoromethyl)phenyl]ethoxy)-3-(4-fluoro phenyl)morpholino]methyl)-1H-1,2,4-triazol-3(2H)-one ;	NA	C23H21F7N4O3	534.43	
	ARIPIPRAZOLE					
	Aripiprazole EP Impurity A	Aripiprazole Dihydro Quinolinone Impurity (USP) ; 3,4-Dihydro-7-hydroxy-2(1H)-quinolinone ; 7-Hydroxy-3,4-dihydroquinolin-2(1H)-one.	22246-18-0	C9H9NO2	163.17	
	Aripiprazole EP Impurity B	Aripiprazole USP Related Compound C ; 1-(2,3-Dichlorophenyl)piperazine hydrochloride.	119532-26-2	C10H13Cl3N2	267.58	

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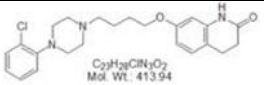
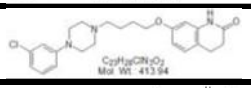
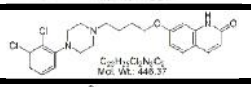
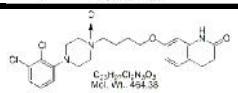
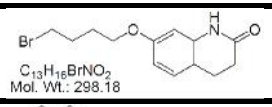
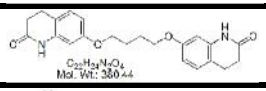
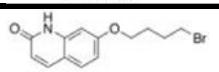
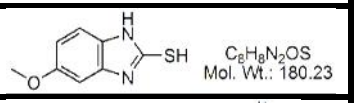
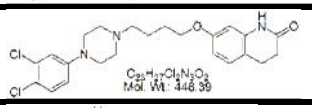
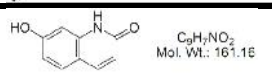
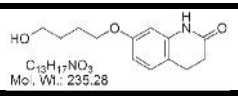
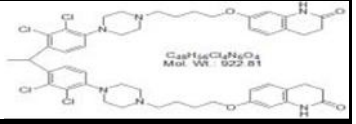
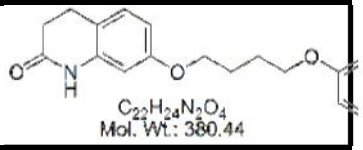
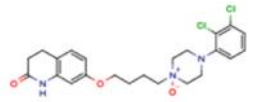
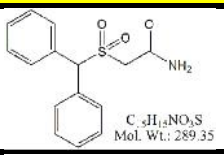
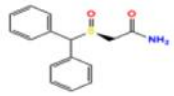
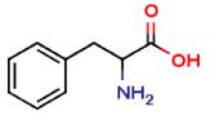
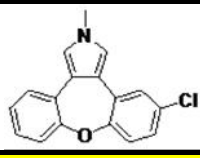
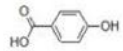
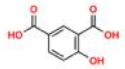
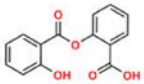
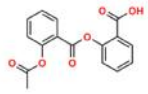
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aripiprazole EP Impurity C	Aripiprazole 3-Deschloro Impurity ; 7-[4-[4-(2-Chlorophenyl)-1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone.	203395-81-7	C23H28ClN3O2	413.94	
	Aripiprazole EP Impurity D	Aripiprazole 2-Deschloro Impurity ; 7-[4-[4-(3-Chlorophenyl)-1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone.	203395-82-8	C23H28ClN3O2	413.94	
	Aripiprazole EP Impurity E	Aripiprazole USP RC G ; Dehydro Aripiprazole ; 7-[4-[4-(2,3-Dichlorophenyl)-1-piperazinyl]butoxy]-2(1H)-quinolinone.	129722-25-4	C23H25Cl2N3O2	482.83	
	Aripiprazole EP Impurity F	Aripiprazole USP RC F ; Aripiprazole N-Oxide ; 4-(2,3-Dichlorophenyl)-1-(4-(2-oxo-1,2,3,4-tetrahydroquinolin-7-yloxy)butyl) piperazine 1-oxide.	573691-09-5	C23H27Cl2N3O3	464.38	
	Aripiprazole Bromo	Aripiprazole Bromobutoxyquinoline Impurity ; 7-(4-Bromobutoxy)-3,4-dihydroquinolin-2-one.	129722-34-5	C13H16BrNO2	298.18	
	Aripiprazole-2	NA	882880-12-8	C22H24N2O4	380.44	
	Aripiprazole Impurity 3	NA	203395-59-9	C??H??BrNO?	296.16	
	Aripiprazole Impurity 4	NA	1006607-63-1	C36H42Cl2N4O4	664.26	
	Aripiprazole 3,4-Dichloro	7-(4-(4-(3,4-Dichlorophenyl)piperazin-1-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one ;	NA	C23H27Cl2N3O2	448.39	
	Aripiprazole Quinolinone Impurity	7-Hydroxy-2(1H)-quinolinone ; 7-Hydroxyquinoline-(1H)-2-one ;	70500-72-0	C9H7NO2	161.16	
	Aripiprazole USP RC B	Aripiprazole Hydroxybutoxyquinoline Impurity ; 7-(4-Hydroxy-butoxy)-3,4-dihydroquinolin-2(1H)-one ;	889443-20-3	C13H17NO3	235.28	

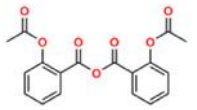
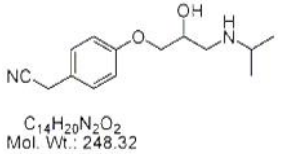
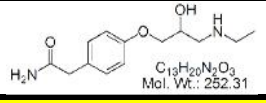
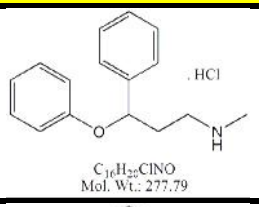
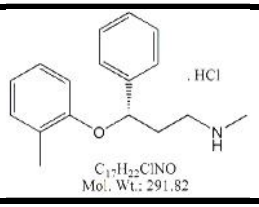
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aripiprazole 4 4 Dimer	Aripiprazole EP Impurity G ;Aripiprazole Dimer ;	1797986-18-5	C48H56Cl4N6O4	922.81	
	Aripiprazole Diquinoline	1,4-bis[(3,4-Dihydro-2(1H)-quinolinone-7-yl)oxy]-butane ;	882880-12-8	C22H24N2O4	380.44	
	Aripiprazole N-Oxide	USP Aripiprazole Related Compound F; 7-[4-[4-(2,3-Dichlorophenyl)-1-oxido-1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone;	573691-09-5	C23H2Cl2N3O3	464.38	
	ARMODAFINIL					
	Armodafinil Sulfone	2-[(Diphenylmethyl)sulfonyl]acetamide ;	NA	C15H15NO3S	289.35	
	Armodafinil S-Isomer	NA	NA	C15H15NO2S	273.35	
	ASPARTAM					
	Aspartam Impurity C	Phenylalanine;L-Phenylalanine ; (S)-2-Amino-3-phenylpropionic acid;2-amino-3-phenylpropanoic acid	63-91-2	C9H11NO2	165.19	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Tetradehydro Asenapine	5-Chloro-2-methyl-2H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole; 5-Chloro-2-methyl-2H-dibenzo[2,3:6,7]oxepino[4,5-c]pyrrole	129385-60-0	C??H??ClNO	281.74	
	ASPIRIN					
	Aspirin Impurity A	4-hydroxybenzoic acid.	99-96-7	C7H6O3	138.12	
	Aspirin Impurity B	4-Hydroxyisophthalic Acid; 4-Hydroxy-1,3-benzenedicarboxylic Acid; 4-Hydroxy-m-phthalic Acid; Eupirina; NSC 2445; USP Salicylic Acid Related Compound B;	636-46-4	C8H6O5	182.13	
	Aspirin Impurity C	Salicylic Acid; 2-Hydroxybenzoic Acid; 2-Carboxyphenol; 2-Hydroxybenzenecarboxylic Acid; 2-Hydroxybenzoic Acid; o-Carboxyphenol; o-Hydroxybenzoic Acid; Rutranex; Saligel; Salonil; Salvona Nanosal; Stri-Dex; Trans-Ver-Sal; Verrugon;	69-72-7	C7H6O3	138.12	
	Aspirin Impurity E	Salsalate; Aspirin Impurity E, 2-Hydroxybenzoic Acid 2-Carboxyphenyl Ester; Salicylic Acid Salicylate; 2-Hydroxybenzoic Acid 2-Carboxyphenyl Ester; Diacesal; Diplosal; Disalcid; Disalgesic; Disalicylic Acid; Disalyl; Mono-Gesic; NSC 49171; Nobacid; Salflex; Salical; Salicyl Salicylate; Salicyloxysalicylic Acid; Salicyloylsalicylic Acid; Salicylsal	552-94-3	C14H10O5	258.23	
	Aspirin Impurity D	Acetylsalicylsalicylic Acid; 2-(Acetyloxy)benzoic Acid 2-Carboxyphenyl Ester; Acesalum; Diplosal Acetate; Diplosalacetat; Salicylacetylsalicylic Acid;	530-75-6	C16H12O6	300.27	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aspirin Impurity F	Acetylsalicylic Anhydride; Aspirin Impurity F, 2-(Acetyloxy)benzoic Acid 1,1-Anhydride; Salicylic Acid Acetate Anhydride; 2-Acetoxybenzoic Anhydride; Aspirin anhydride; Contraflu; NSC 63848; NSC 80056; Pircan; Vigal; Acetylsalicylic Acid Impurity D;	1466-82-6	C18H14O7	342.3	
	ATENOLOL					
	Atenolol EP Impurity H	Atenolol USP RC B ; 2-[4-[(2RS)-2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]acetonitrile ;	NA	C14H20N2O2	248.32	
	Atenolol EP Impurity I	Atenolol Desmethyl Impurity ; Atenolol Ethylamino Analog ; 2-(4-(3-(Ethylamino)-2-hydroxypropoxy)phenyl)acetamide ;	1797116-92-7	C13H20N2O3	252.31	
	ATOMOXETINE					
	Atomoxetine EP Impurity A	Atomoxetine EP Impurity A ; N-Methyl-3-phenoxy-3-phenylpropan-1-amine hydrochloride	873310-33-9	C16H20ClNO	277.79	
	Atomoxetine EP Impurity B	Atomoxetine S-Isomer; Atomoxetine EP Impurity B ; (S)-Atomoxetine HCl ; (3S)-N-Methyl-3-(2-methylphenoxy)-3-phenylpropan-1-amine hydrochloride ;	82857-39-4	C17H22ClNO	291.82	

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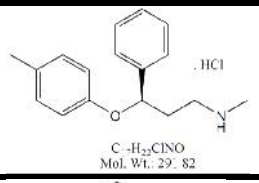
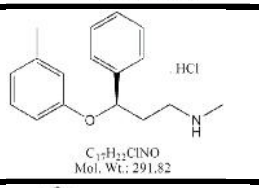
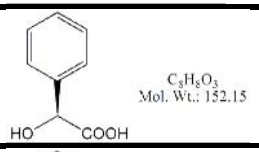
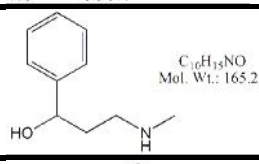
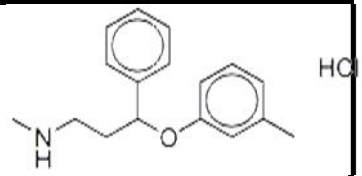
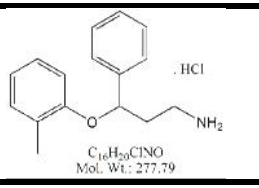
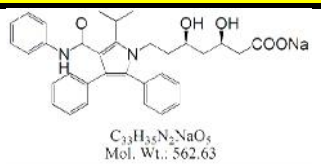
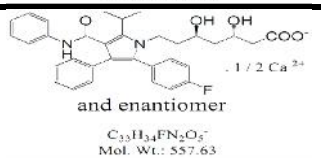
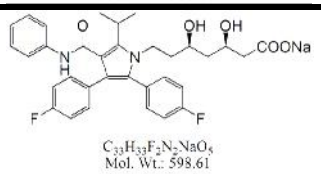
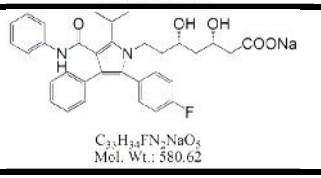
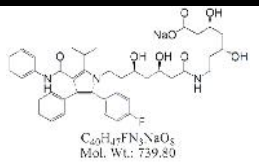
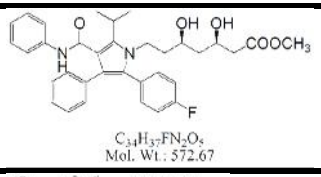
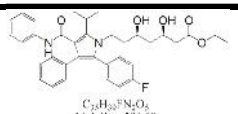
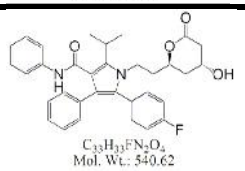
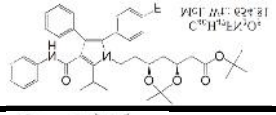
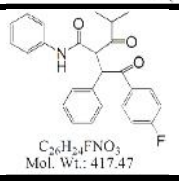
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Atomoxetine EP Impurity C	Atomoxetine EP Impurity C ; Atomoxetine USP RC C ; p-Methyl Atomoxetine HCl ; (3R)-N-Methyl-3-(4-methylphenoxy)-3-phenylpropan-1-amine hydrochloride	873310-31-7	C17H22ClNO	291.82	
	Atomoxetine EP Impurity D	Atomoxetine EP Impurity D ; Atomoxetine USP RC B ; m-Methyl Atomoxetine HCl ; (3R)-N-Methyl-3-(3-methylphenoxy)-3-phenylpropan-1-amine hydrochloride.	873310-28-2	C17H22ClNO	291.82	
	Atomoxetine EP Impurity E	Atomoxetine EP Impurity E ; L-Mandelic Acid ; (S)-(+)-Mandelic Acid ; (2S)-2-Hydroxy-2-phenylacetic acid.	17199-29-0	C8H8O3	152.15	
	Atomoxetine EP Impurity H	Atomoxetine EP Impurity H ; Atomoxetine USP RC A ; 3-(Methylamino)-1-phenylpropan-1-ol	115290-81-8	C10H15NO	165.23	
	Atomoxetine Related Compound B	Atomoxetine Related Compound B (10 mg) (N-Methyl-3-phenyl-3-(m-tolyloxy)propan-1-amine hydrochloride);M-Methyl AtoMoxetine Hydrochloride;AtoMoxetine Related CoMpound B;N-Methyl-gamma-(3-methylphenoxy)benzenepropanamine hydrochloride;Atomoxetine EP Impurity D	873310-28-2	C17H22ClNO	291.82	
	Atomoxetine N-Desmethyl	N-Desmethyl Atomoxetine Hydrochloride ; (3RS)-3-(2-Methylphenoxy)-3-phenylpropan-1-amine hydrochloride ;	881995-46-6	C16H20ClNO	277.79	

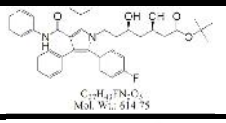
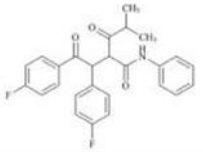
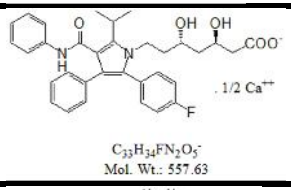
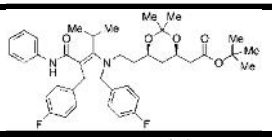
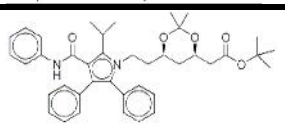
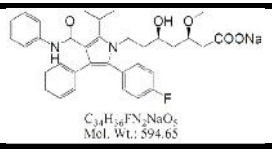
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Atomoxetine HCl Racemate	(3RS)-N-Methyl-3-(2-methylphenoxy)-3-phenylpropan-1-amine hydrochloride ;	82857-40-7	C17H22ClNO	291.82	
	ATORVASTATIN					
	Atorvastatin EP Impurity A	Atorvastatin EP Impurity A (Sodium Salt) ; Atorvastatin USP Related Compound A ; Desfluoro Atorvastatin Sodium ; (3R,5R)-7-[3-(Phenylcarbamoyl)-5-phenyl-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid sodium salt.	433289-83-9	C33H35N2NaO5	562.63	
	Atorvastatin EP Impurity B	Atorvastatin EP Impurity B (Calcium Salt) ; (3RS,5SR)-Atorvastatin Calcium ; (3RS,5SR)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid calcium salt.	NA	C33H34FN2O5	557.63	
	Atorvastatin EP Impurity C	Atorvastatin EP Impurity C ; Atorvastatin USP Related Compound C ; Fluoro Atorvastatin Sodium ; Atorvastatin Difluoro Analog ; (3R,5R)-7-[3-(Phenylcarbamoyl)-4,5-bis(4-fluorophenyl)-2-isopropyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid sodium salt.	693793-53-2	C33H33F2N2NaO5	598.61	
	Atorvastatin EP Impurity E	Atorvastatin USP RC E ; ent-Atorvastatin Sodium ; (3S, 5S)-Atorvastatin Sodium ; (3S,5S)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid sodium salt	501121-34-2	C33H34FN2NaO5	580.24	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Atorvastatin EP Impurity F	Atorvastatin EP Impurity F ; Atorvastatin USP Related Compound F ; Atorvastatin Amide Impurity ; Atorvastatin Amide Acid Sodium Salt ; Atorvastatin Di-Amide Acid Sodium Salt ; Atorvastatin Diamino Impurity Sodium Salt ; (3R,5R)-7-[[(3R,5R)-7-[2-(4-Fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]-3,5-dihydro	887196-24-9 (acid) ; 1105067-87-5	C40H47FN3NaO8	739.80	
	Atorvastatin Acid Methyl Ester	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid methyl ester.	345891-62-5	C34H37FN2O5	572.67	
	Atorvastatin Acid Ethyl Ester	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid ethyl ester.	1146977-93-6	C35H39FN2O5	586.69	
	Atorvastatin EP Impurity H	Atorvastatin EP Impurity H ; Atorvastatin USP Related Compound H ; Atorvastatin Lactone ; PD-130694 ;5-(4-Fluorophenyl)-2-(1-methylethyl)-N,4-diphenyl-1-[2-[(2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-1H-pyrrole-3-carboxamide.	125995-03-1	C33H33FN2O4	540.62	
	Atorvastatin EP Impurity I	(4R,6R)-6-[2-[2-(4-Fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]-2,2-dimethyl-1,3-dioxane-4-acetic acid t-butyl ester .	125971-95-1	C40H47FN2O5	654.81	
	Atorvastatin Diketo Amide	2-(2-(4-Fluorophenyl)-2-oxo-1-phenylethyl)-4-methyl-3-oxo-N-phenyl pentanamide .	125971-96-2	C26H24FNO3	417.47	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Atorvastatin Acid T-Butyl Ester	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid t-butyl ester	134395-00-9	C37H43FN2O5	614.75	
	Atorvastatin Impurity	NA	693793-82-7	C26H23F2NO3	435.47	
	Atorvastatin (3R,5S)-Isomer	(3R,5S)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid calcium salt	131275-93-9	C33H34FN2O5	557.63	
	Difluoro Atorvastatin	(4R,6R)-6-[2-[2,3-Bis(4-fluorophenyl)-5-(1-methylethyl)-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]-2,2-dimethyl-1,3-Dioxane-4-acetic Acid 1,1-Dimethylethyl Ester.	693793-87-2	C40H46F2N2O5	672.8	
	Defluoro Atorvastatin Acetonide Tert-Butyl Ester	Defluoro Atorvastatin Acetonide tert-Butyl Ester;(4R,6R)-2,2-DiMethyl-6-[2-[2-(1-Methylethyl)-4,5-diphenyl-3-[(phenylaMino)carbonyl]-1H-pyrrol-1-yl]ethyl]-1,3-dioxane-4-acetic Acid 1,1-DiMethylethyl Ester.	1105067-91-1	C40H48N2O5	636.82	
	Atorvastatin EP Impurity G	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-5-hydroxy-3-methoxy-heptanoic acid sodium salt .	887196-29-4	C34H36FN2NaO5	594.65	

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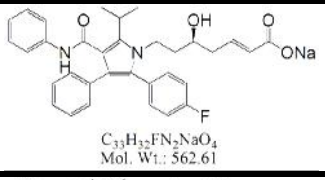
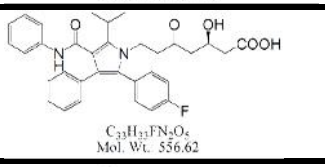
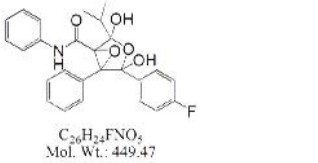
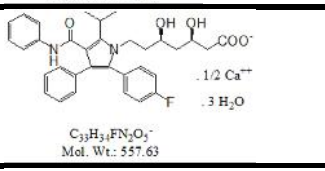
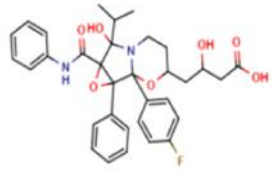
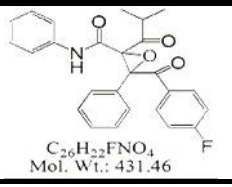
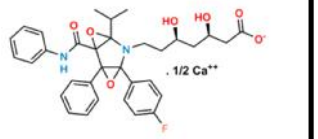
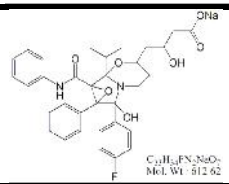
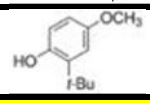
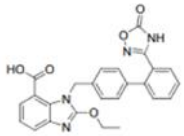
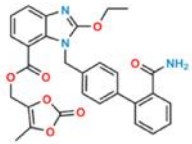
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Atorvastatin 3-Deoxy	Atorvastatin 3-Deoxy-Hept-2-Enoic Acid (Sodium Salt) (USP) ; 2,3-Anhydro Atorvastatin Sodium ; Dehydro Atorvastatin Acid Sodium Salt ; (S)-7-[2-(4-Fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H- pyrrol-1-yl]-5-hydroxyhept-2-enoic acid sodium salt ;	1105067-93-3	C33H32FN2NaO4	562.61	
	Atorvastatin 5-Oxo Acid	(3R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3-hydroxy-5-oxo-heptanoic acid ;	1391052-82-6	C33H33FN2O5	556.62	
	Atorvastatin Epoxy Tetrahydrofuran Analog	Atorvastatin Epoxy Tetrahydrofuran Analog (USP) ; Atorvastatin Dihydroxy Epoxy Impurity ; Atorvastatin Photo Degradation Product - ATV-FXA2 ; 4-(4-Fluorophenyl)-2,4-dihydroxy-2-isopropyl-N,5-diphenyl-3,6-dioxabicyclo [3.1.0]hexane-1-carboxamide ;	873950-19-7	C26H24FNO5	449.47	
	Atorvastatin Calcium Trihydrate	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid calcium salt trihydrate ;	134523-03-8	C33H34FN2O5	557.63	
	Atorvastatin Cyclic	4-(1b-(4-fluorophenyl)-7-hydroxy-7-isopropyl-1a-phenyl-7a-(phenylcarbamoyl)hexahydro-1aH-oxireno[2',3':3,4]pyrrolo[2,1-b][1,3]oxazin-3-yl)-3-hydroxybutanoic acid;1b-(4-Fluorophenyl)hexahydro-?,7-dihydroxy-7-(1-methylethyl)-1a-phenyl-7a-[(phenylamino)carbonyl]-3H-oxireno[3,4]pyrrolo[2,1-b][1,3]oxazine-3-butanoic Acid; ATV-cyclo FP; ATV-FX1	1315629-79-8	C33H35FN2O7	590.64	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Atorvastatin EP Impurity D	Atorvastatin EP Impurity D ; Atorvastatin USP Related Compound D ; Atorvastatin Diketo Epoxide Impurity ; Atorvastatin Degradation Product - ATV-FXA1 ; 3-(4-Fluorobenzoyl)-2-isobutyryl-3-phenyloxirane-2-carboxylic acid phenylamide ;	148146-51-4	C26H22FNO4	431.46	
	Atorvastatin Diepoxide Calcium Salt	7-[N-Phenyl-2-[4-(4-fluorophenyl]-6-methylethyl]-3,7-dioxa-5-azatricyclo [4.1.0.02,4]-4-[{phenylamino}carboxamiide]-(3R,5R)-3,5-dihydroxyheptanoic acid calcium salt	887470-43-1	C33H34FN2O7	589.63	
	Atorvastatin Cyclic Sodium Salt (Isopropyl) Impurity	(4S)-4-Cyclohexyl-1-[(RS)-1-hydroxy-2-methylpropoxy](4-phenylbutyl) phosphinyl]-acetyl-L-proline propionate (ester), sodium salt ;	1316291-19-6	C33H34FN2NaO7	612.62	
	Atorvastatin BHA Impurity	2-tert-Butyl-4-methoxyphenol	121-00-6	C11H16O2	180.24	
	AZILSARTAN					
	Azilsartan Impurity-1	2-ethoxy-1-((2' -(5-oxo-4,5-dihydro-1,2,4-oxadiazol-3-yl)-[1,1' -biphenyl]-4-yl)methyl)-1H-benzo[d]imidazole-7-carboxylic acid	147403-03-0	C25H20N4O5	456.45	
	Azilsartan Impurity-5	Azilsartan Impurity Q; (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl 1-((2'-carbamoyl-[1,1'-biphenyl]-4-yl)methyl)-2-ethoxy-1H-benzo[d]imidazole-7-carboxylate	NA	C29H25N3O7	527.54	
	Azelastine EP	Benzohydrazide ; Benzoyldiazane ;	613-94-5	C7H8N2O	136.1	

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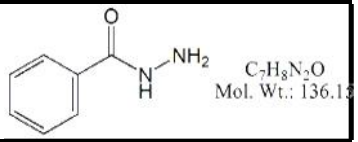
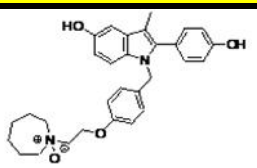
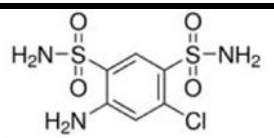
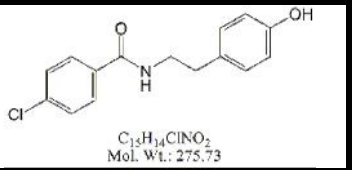
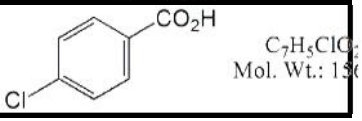
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Impurity A				5	
	BAZEDOXIFENE					
B	Bazedoxifene N-Oxide	1-[[4-[2-(Hexahydro-1-oxido-1H-azepin-1-yl)ethoxy]phenyl]methyl]-2-(4-hydroxyphenyl)-3-methyl-1H-indol-5-ol;	1174289-22-5	C??H??N?O?	486.6	
	Benzothiadiazine USP RC A	3-Chloroaniline-4,6-disulfonamide, 4-Amino-6-chlorobenzene-1,3-disulfonamide	121-30-2	C6H8ClN3O4S2	285.73	
	BEZAFIBRATE					
	Bezafibrate Impurity A	4-Chloro-N-[2-(4-hydroxyphenyl)ethyl]benzamide ; N-(4-Chlorobenzoyl)tyramine ;	41859-57-8	C15H14ClNO2	275.73	
	Bezafibrate EP Impurity B	4-Chlorobenzoic acid	74-11-3	C7H5ClO2	156.57	

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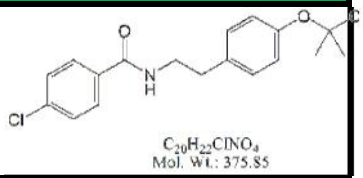
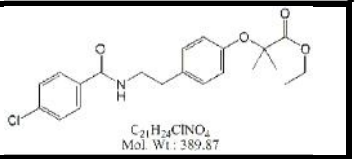
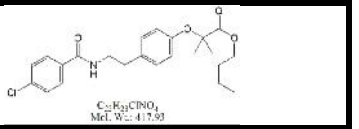
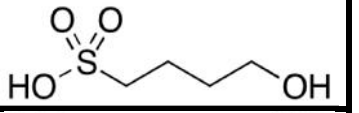
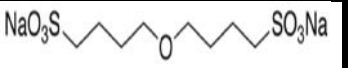
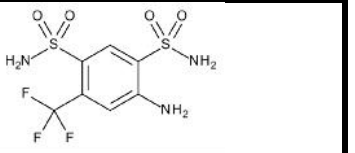
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bezafibrate Impurity C	Methyl 2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoate ;	NA	C20H22ClNO4	375.85	
	Bezafibrate EP Impurity D	Ethyl 2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoate ;	41859-58-9	C21H24ClNO4	389.87	
	Bezafibrate EP Impurity E	Butyl 2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoate ;	NA	C23H28ClNO4	417.93	
	4-Hydroxy-1-Butanesulfonic Acid	Busulfan Impurity; NSC 71873; 4-Hydroxybutanesulfonic Acid;	26978-64-3	C4H10O4S	154.18	
	Bis(4-Sulfobutyl)Ether Disodium	4,4&#65533;-Oxybis-1-butanesulfonic Acid Disodium Salt; WAS-18;	183278-30-0	C8H16Na2O7S2	334.32	
	BENDROFLUMETHIAZIDE					
	Bendroflumethiazide Impurity A	4-amino-6-(trifluoromethyl)benzene-1,3-disulphonamide.	654-62-6	C7H8F3N3O4S2	318.28	
	BETAXOLOL					

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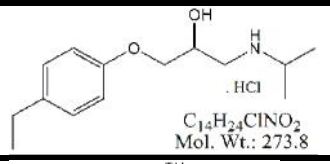
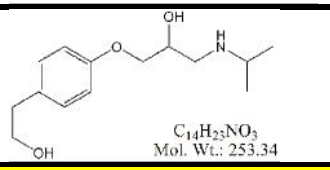
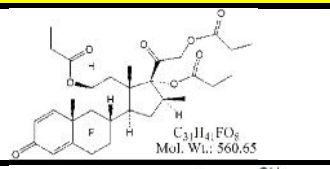
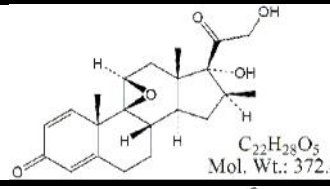
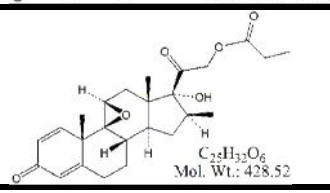
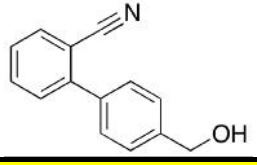
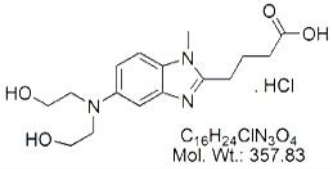
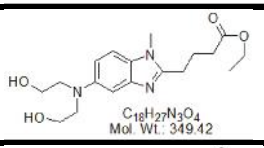
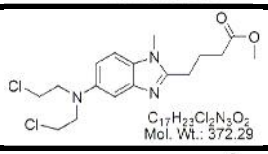
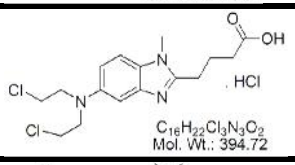
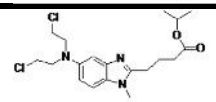
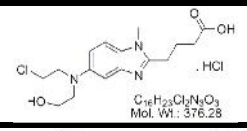
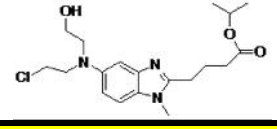
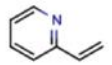
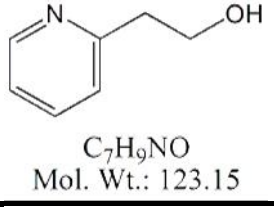
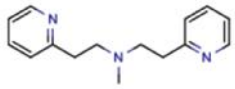
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Betaxolol EP Impurity A	(2RS)-1-(4-Ethylphenoxy)-3-[(1-methylethyl)amino] propan-2-ol hydrochloride;	464877-45-0 (HCl)	C14H24ClNO2	273.8	
	Betaxolol EP Impurity B	(2RS)-1-[4-(2-Hydroxyethyl)phenoxy]-3-[(1-methylethyl)amino]propan-2-ol ;	62572-94-5	C14H23NO3	253.34	
	BECLOMETASONE					
	Beclometasone Dipropionate EP Impurity G	9-Fluoro-16?-methyl-3,20-dioxopregna-1,4-diene-11?,17,21-triyl tripropanoate ;	1186048-33-8	C31H41FO8	560.65	
	Beclometasone Dipropionate EP Impurity R	9,11?-Epoxy-17,21-dihydroxy-16?-methyl-9?-pregna-1,4-diene-3,20-dione ;	981-34-0	C22H28O5	372.45	
	Beclometasone Dipropionate EP Impurity V	9,11?-Epoxy-17-hydroxy-16?-methyl-3,20-dioxo-9?-pregna-1,4-dien-21-yl propanoate ;	205105-83-5	C25H32O6	428.52	

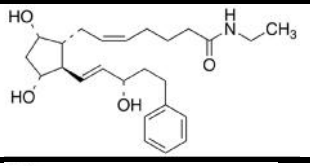
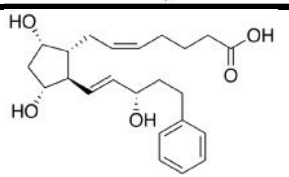
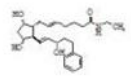
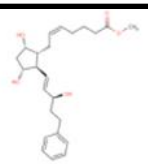
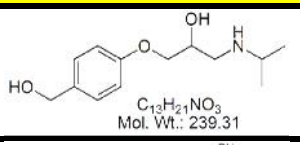
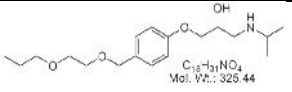
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Benzonitrile Impurity 1	(Hydroxymethyl)-2-cyanobiphenyl; 4-Hydroxymethyl-2-cyano-1,1-biphenyl	154709-19-0	C14H11NO	209.24	
	BENDAMUSTINE					
	Bendamustine USP RC A	Bendamustine Dihydroxy Impurity ; 4-[5-[Bis(2-hydroxyethyl)amino]-1-methylbenzimidazol-2-yl]butanoic acid HCl ;	109882-30-6	C16H23N3O4	321.37	
	Bendamustine USP RC C	Bendamustine Dihydroxy Acid Ethyl Ester ; 4-(5-(Bis(2-hydroxyethyl)amino)-1-methyl-1H-benzo[d]imidazol-2-yl)butanoic acid ethyl ester ;	3543-74-6	C18H27N3O4	349.42	
	Bendamustine Methyl Ester	4-[5-[Bis(2-chloroethyl)amino]-1-methylbenzimidazol-2-yl]butanoic acid methyl ester ;	NA	C17H23Cl2N3O2	372.29	
	Bendamustine HCl	Bendamustine Hydrochloride ; 4-[5-[Bis(2-chloroethyl)amino]-1-methylbenzimidazol-2-yl]butanoic acid hydrochloride ;	3543-75-7	C16H22Cl3N3O2	394.72	
	Bendamustine Ben-2A	4-{5-[Bis-(2-Chloro-ethyl)-amino]-1-methyl-1H-benzoimidazol-2-yl}-butyric acid isopropyl ester	NA	C19H27Cl2N3O2	400.34	

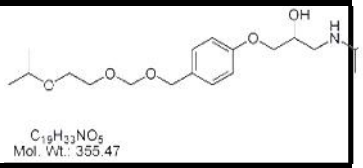
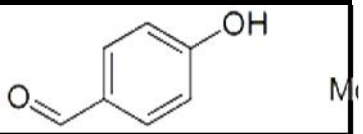
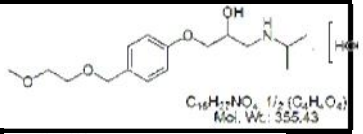
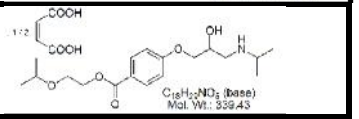
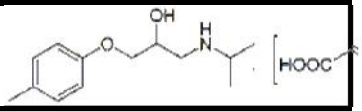
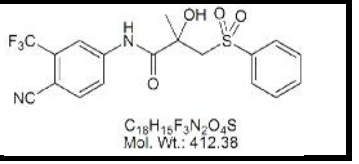
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bendamustine USP RC E	Hydroxy Bendamustine HCl ; 5-[(2-Chloroethyl)(2-hydroxyethyl)amino]-1-methyl-1H-benzimidazole-2-butanoic acid hydrochloride ;	109882-27-1	C16H22ClN3O3	339.82	
	Bendamustine HP-I	4-{5-[(2-Chloro-ethyl)-(2-hydroxy-ethyl)-amino]-1-methyl-1H-benzoimidazol-2-yl}-butyric acid isopropyl ester	NA	C19H28ClN3O3	381.90	
	BETAHISTINE					
	Betahistine EP Impurity A	2-Vinylpyridine (stabilized with 0.1% 4-tert-butylcatechol); 2-Ethenylpyridine; 2-Pyridylethylene; NSC 18255; ?-Vinylpyridine; Betahistine Impurity A;	100-69-6	C7H7N	105.14	
	Betahistine EP Impurity B	2-Pyridineethanol; 2-(2-Hydroxyethyl)pyridine; 2-(2-Pyridinyl)ethanol; 2-(2-Pyridyl)ethanol; 2-(2-Pyridyl)ethyl alcohol; 2-(?-Pyridyl)ethanol; 2-(?-Hydroxyethyl)pyridine; 2-Pyridylethanol; NSC 2144; NSC 77979; ?-(2-Pyridyl)ethanol; Betahistine Impurity B;	103-74-2	C7H9NO	123.16	
	Betahistine EP Impurity C	N-methyl-2(pyridine-2-yl)-[2-pyridine-2-yl)ethyl]ethanamine trihydrochloride;N-Methyl-N-[2-(2-pyridinyl)ethyl]-2-pyridineethanamine; Methylbis(2-pyridylethyl)amine; N-Methylbis[2-(2-pyridylethyl)]amine;lethyl)amin.	5452-87-9	C15H19N3	241.33	
	BIMATOPROST					

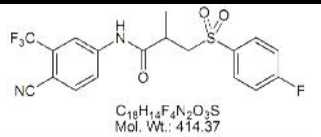
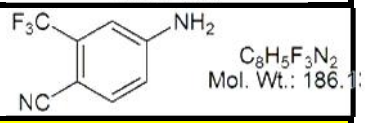
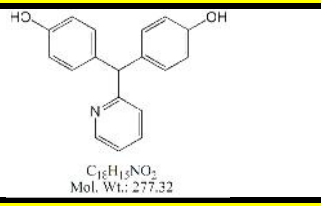
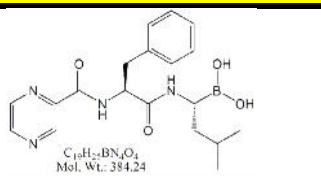
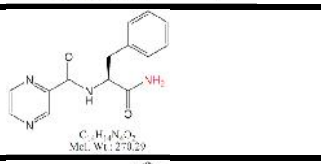
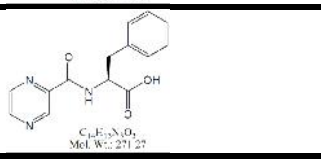
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bimatoprost	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-penten-1-yl]cyclopentyl]-N-ethyl-5-heptenamide; AGN-192024; Lumigan; Prostamide;	155206-00-1	C25H37NO4	415.57	
	Bimatoprost Acid	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-penten-1-yl]cyclopentyl]-5-heptenoic Acid; 17-Phenyl-18,19,20-trinor-PGF2?; PhXA 70; (5Z)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-pentenyl]cyclopentyl]-5-heptenoic Acid; 17-Phenyl-18,19,20-trinorprostaglandin F2?; U 35687; [1R-[1?(Z),2?(1E,3S*),3?,5?]]-7-[3,5	38344-08-0	C23H32O5	388.5	
	Trans Bimatoprost	(E)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(3S)-3-hydroxy-5-phenylpent-1-enylcclopentyl]-N-ethylhept-5-enamide;(5E)-Bimatoprost.	1163135-95-2	C25H37NO4	415.56	
	Bimatoprost Acid Methyl Ester	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-penten-1-hyl Ester.	38315-47-8	C24H34O5	402.52	
	BISOPROLOL					
	Bisoprolol EP Impurity A	Bisoprolol EP Impurity A ; (RS)-1-(4-Hydroxymethylphenoxy)-3-isopropylaminopropan-2-ol ;	62572-93-4	C13H21NO3	239.31	
	Bisoprolol EP Impurity B	Bisoprolol EP Impurity B ; Bisoprolol Propyl Analog ; (RS)-1-Isopropylamino-3-[4-(2-propoxyethoxymethyl) phenoxy] propan-2-ol ;	1447715-44-7	C18H31NO4	325.44	

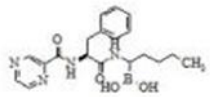
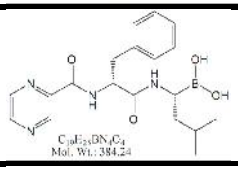
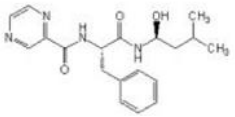
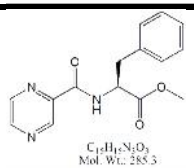
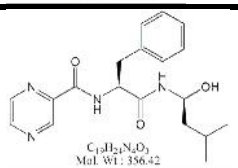
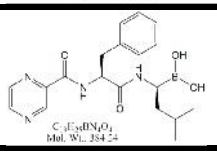
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bisoprolol EP Impurity G	(2RS)-1-[4-(((2-Isopropoxy-ethoxy)methoxy)methyl)phenoxy]-3- (isopropyl-amino)-2-propanol ;	1215342-36-1	C19H33NO5	355.47	
	Bisoprolol EP Impurity L	Bisoprolol EP Impurity L ; 4-[((2RS)-2-Hydroxy-3-(isopropylamino)-propyl)oxy]benzaldehyde hydrochloride ;	29122-74-5	C13H20ClNO3	273.76	
	Bisoprolol EP Impurity S	Bisoprolol EP Impurity S ; 4-Hydroxybenzaldehyde ;	123-08-0	C7H6O2	122.12	
	Bisoprolol EP Impurity Q	Bisoprolol EP Impurity Q ; (2RS)-1-Isopropylamino-3-[4-(2-methoxyethoxy)methyl]-phenoxy-2-propanol fumarate ;	1346604-00-9	C16H27NO4	297.39	
	Bisoprolol EP Impurity K	Bisoprolol EP Impurity K ; Bisoprolol Ester Impurity ; 2-Isopropoxyethyl 4-[((2RS)-2-Hydroxy-3-(isopropylamino)propyl)-oxy]benzoate fumarate ;	864544-37-6	C18H29NO5	339.43	
	Bisoprolol EP Impurity R	Bisoprolol EP Impurity R ; (2RS)-1-(Isopropylamino)-3-(4-methylphenoxy)propan-2-ol fumarate ;	5790-46-5	C13H21NO2	223.31	
	BICALUTAMIDE					
	Bicalutamide EP Impurity A	Desfluoro Bicalutamide ; (RS)-N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-phenyl sulfonyl-2-hydroxy-2-methyl-propanamide ;	90357-05-4	C18H15F3N2O4S	412.38	

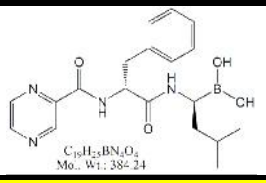
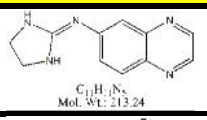
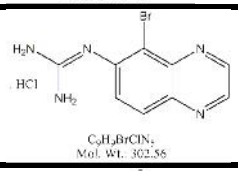
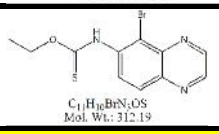
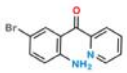
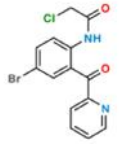
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bicalutamide EP Impurity C	Bicalutamide Deshydroxy Impurity ; (RS)-N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl) sulfonyl]-2-methyl-propanamide ;	906008-94-4	C18H14F4N2O3S	414.37	
	Bicalutamide EP Impurity D	4-Amino-2-(trifluoromethyl)benzonitrile ;	654-70-6	C8H5F3N2	186.13	
	BISACODYL					
	Bisacodyl EP Impurity A	4,4?-(Pyridin-2-ylmethylene)diphenol ;	603-41-8	C18H15NO2	277.32	
	BORTEZOMIB					
	Bortezomib	(1R, 2S)-Bortezomib ; [(1R)-3-Methyl-1-({(2S)-3-phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanoyl} amino)butyl]boronic acid ;	179324-69-7	C19H25BN4O4	384.24	
	Bortezomib Impurity A	Bortezomib Amide Impurity ; (2S)-3-Phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanamide ;	289472-80-6	C14H14N4O2	270.29	
	Bortezomib Impurity B	Bortezomib Acid Impurity ; (2S)-3-Phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanoic acid ; N-(2-Pyrazinyl carbonyl)-L-phenylalanine ;	114457-94-2	C14H13N3O3	271.27	

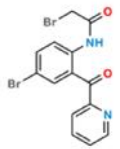
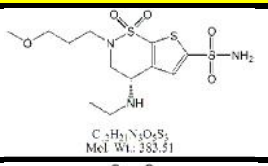
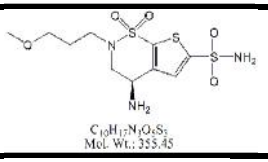
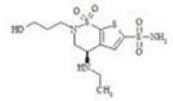
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bortezomib Impurity C	1-[[(2S)-1-oxo-3-phenyl-2-[(pyrazinylcarbonyl)amino]propyl]amino] pentylboronic acid.	NA	C19H25BN4O4	384.25	
	Bortezomib Impurity D	Bortezomib (1R, 2R)-Isomer ; [(1R)-3-Methyl-1-({(2R)-3-phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanoyl} amino)butyl]boronic acid ;	1132709-15-9	C19H25BN4O4	384.24	
	Bortezomib Impurity E	(R)-Hydroxy Des(boric Acid) Bortezomib	289472-78-2	C19H24N4O3	356.42	
	Bortezomib Impurity F	Bortezomib Acid Methyl Ester ; (2S)-3-Phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanoic acid methyl ester ;	73058-37-4	C15H15N3O3	285.3	
	Bortezomib Impurity G	Bortezomib Hydroxy Impurity (1S, 2S)-Isomer ; N-[(2S)-1-{[(1S)-1-Hydroxy-3-methyl butyl]amino}-1-oxo-3-phenylpropan-2-yl]pyrazine-2-carboxamide ;	289472-81-7	C19H24N4O3	356.42	
	Bortezomib (1S, 2S)-Isomer	Bortezomib (1S, 2S)-Isomer ; [(1S)-3-Methyl-1-({(2S)-3-phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanoyl} amino)butyl]boronic acid ;	1132709-14-8	C19H25BN4O4	384.24	

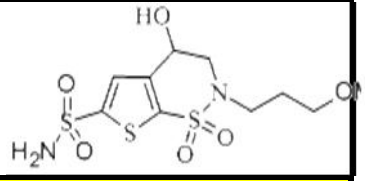
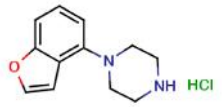
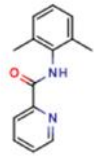
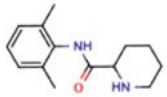
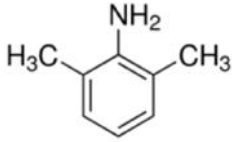
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bortezomib (1S, 2R)-Isomer	Bortezomib (1S, 2R)-Isomer ; [(1S)-3-Methyl-1-({(2R)-3-phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanoyl} amino)butyl]boronic acid ;	1132709-16-0	C19H25BN4O4	384.24	
	BRIMONIDINE					
	Brimonidine EP Impurity A	N-(Imidazolidin-2-ylidene)quinoxalin-6-amine ;	91147-43-2	C11H11N5	213.24	
	Brimonidine EP Impurity E	2-(5-Bromoquinoxalin-6-yl)guanidine HCl ;	168329-48-4 (base)	C9H8BrN5	266.10	
	Brimonidine Carbamothioate Impurity	O-Ethyl (5-Bromoquinoxalin-6-yl)carbamothioate ; (5-Bromo-6-quinoxalinyl)carbamothioic acid O-ethyl ester ;	842138-75-4	C11H10BrN3OS	312.19	
	BROMAZEPAM					
	Bromazepam EP Impurity A	2-Amino-5-bromophenyl 2-pyridyl Ketone; 2-Amino-5-bromophenyl-2-pyridylmethanone.	1563-56-0	1563-56-0	277.1	
	Bromazepam EP Impurity B	N-(4-Bromo-2-picolinoylphenyl)-2-chloroacetamide, 2-(2-Chloroacetamido-5-bromobenzoyl)pyridine; 2-[2-(2-Chloroacetamido)-5-bromobenzoyl]pyridine.	41526-21-0	C14H10BrClN2O2	353.6	

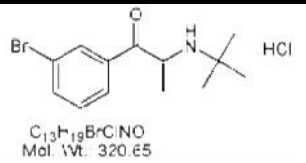
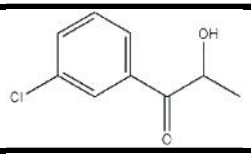
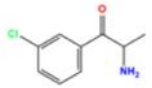
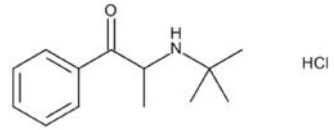
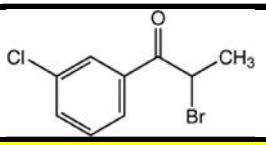
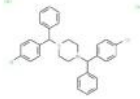
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bromazepam EP Impurity C	6-Methyl bromazepam, 7-bromo-1,3-dihydro-5-(6-methyl-2-pyridinyl)-2H-1,4-benzodiazepin-2-one.	868350-97-4	C15H12BrN3O	330.2	
	Bromazepam EP Impurity D	3-Amino-6-bromo-4-(2-pyridinyl)-2(1H)-quinolinone, Bromazepam Impurity B	77616-97-8	C14H10BrN3O	316.2	
	Bromazepam EP Impurity E	2-Bromo-N-[4-bromo-2-(2-pyridinylcarbonyl)phenyl]-acetamide, 2,4'-Dibromo-2'-picolinoyl-acetanilide.	1694-64-0	C14H10Br2N2O2	398.05	
	BRINZOLAMIDE					
	Brinzolamide Impurity A	Brinzolamide USP RC A ;Brinzolamide (S)-Isomer ; (S)-4-(Ethylamino)-3,4-dihydro-2-(3-methoxypropyl)-2H-thieno[3,2-e]-1,2-thiazine-6-sulfonamide 1,1-Dioxide ;	154127-19-2	C12H21N3O5S3	383.51	
	Brinzolamide Impurity B	Brinzolamide USP RC B ;Brinzolamide N-Desethyl Impurity ; (4R)-4-Amino-3,4-dihydro-2-(3-methoxypropyl)-2H-thieno[3,2-e]-1,2-thiazine-6-sulfonamide 1,1-Dioxide ;	404034-55-5	C10H17N3O5S3	355.45	
	Brinzolamide Impurity C HBr	NA	186377-56-0	C11H19N3O5S3	369.48	

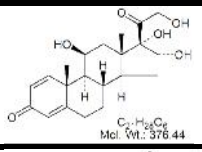
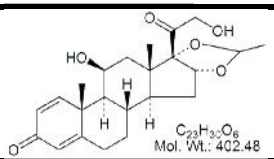
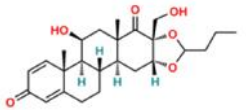
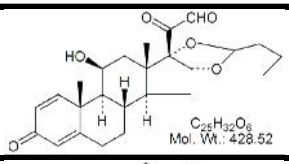
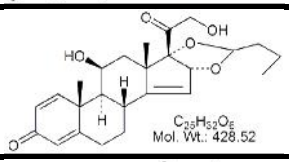
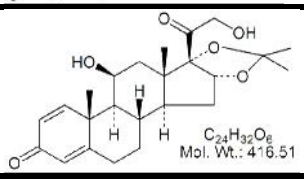
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Brinzolamide Impurity D	4-hydroxy-2-(3-methoxypropyl)-3,4-dihydro-2H-thieno[3,2-e][1,2]thiazine-6-sulfonamide 1,1-dioxide.	NA	C10H16N2O6S3	356.44	
	BREXPIPRAZOLE					
	Brexpiprazole Impurity 5	1-(1-benzofuran-4-yl)piperazine hydrochloride	105684-85-3	C12H14N2O.	202.26	
	BUPIVACAINE					
	Bupivacaine EP Impurity A	N-(2,6-dimethylphenyl)pyridine-2-carboxamide;2',6'-Picolinoxylidide.	39627-98-0	C14H14N2O	226.27	
	Bupivacaine EP Impurity B	(RS)-N-(2,6-Dimethylphenyl)piperidine-2-carboxamide Hydrochloride;Bupivacaine Related Compound B.	15883-20-2	C14H20N2O	232.32	
	Bupivacaine Impurity F	2,6-Dimethylaniline, 2,6-Xylidine, 2-Amino-1,3-dimethylbenzene, 2-Amino-m-xylene.	87-62-7	(CH3)2C6H3NH2	121.18	
	BUPROPION					

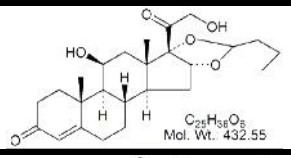
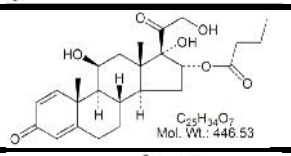
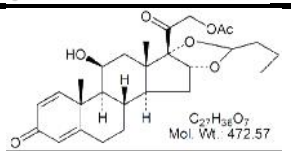
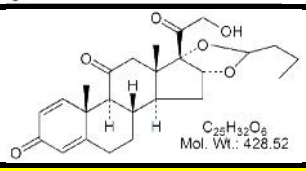
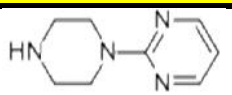
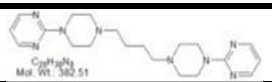
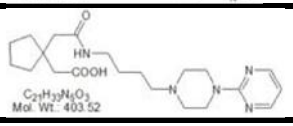
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bupropion USP RC B	Bupropion USP Related Compound B (HCl Salt) ; 2-(tert-Butylamino)-3'-bromopropiophenone hydrochloride ; 2-(tert-Butylamino)-1-(3-bromophenyl)propan-1-one hydrochloride ;	1049718-43-5	C13H19BrClNO	320.65	
	Bupropion USP RC-C	USP Bupropion Related Compound C; Bupropion USP Related Compound C	152943-33-4	C?H?ClO?	184.62	
	Bupropion 2-Amino Impurity	2-amino-1-(3-chlorophenyl)propan-1-one.	119802-69-6	C9H10ClNO	183.63	
	Bupropion USP RC-D	2-[(1,1-Dimethylethyl)amino]-1-phenyl-1-propanone Hydrochloride; 2-(tert-Butylamino)propiophenone Hydrochloride; Bupropion USP Related Compound D	63199-74-6	C13H20ClNO	241.76	
	Bupropion Impurity 1	2-Bromo-1-(3-chlorophenyl)-1-propanone; ?-Bromo-3-chloropropiophenone;	34911-51-8	C9H8BrClO	247.52	
	BUCLIZINE					
	Buclizine Impurity A	1,4-Bis[(4-chlorophenyl)phenylmethyl]piperazine dihydrochloride	346451-15-8	C30H30Cl4N2	560.38	
	BUDESONIDE					

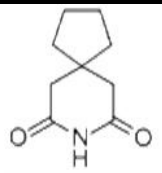
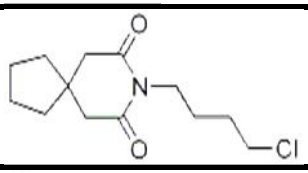
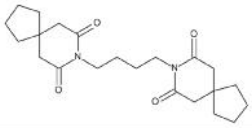
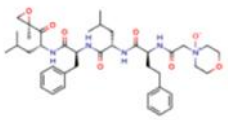
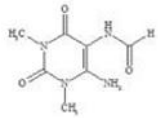
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Budesonide Impurity A	11?,16?,17,21-Tetrahydroxypregna-1,4-diene-3,20-dione	13951-70-7	C21H28O6	376.44	
	Budesonide Impurity B	16?,17-[(1RS)-Ethylidenebis(oxy)]-11?,21-dihydroxypregna-1,4-diene-3,20-dione ;	1040085-98-0	C23H30O6	402.48	
	Budesonide EP Impurity C	16?,17-[(1RS)-Butylidenebis(oxy)]-11?-hydroxy-17-(hydroxymethyl)-D-homoandrosta-1,4-diene-3,17a-dione	1040085-99-1	C25H34O6	430.43	
	Budesonide Impurity D	16?,17-[(1RS)-Butylidenebis(oxy)]-11?-hydroxy-3,20-dioxopregna-1,4-dien-21-aldehyde ;	85234-63-5	C25H32O6	428.52	
	Budesonide Impurity E	16?,17-[(1RS)-Butylidenebis(oxy)]-11?,21-dihydroxypregna-1,4,14-triene-3,20-dione ;	131918-64-4	C25H32O6	428.52	
	Budesonide Impurity F	16?,17-[1-Methylethylidenebis(oxy)]-11?,21-dihydroxypregna-1,4-diene-3,20-dione ;	638-94-8	C24H32O6	416.51	

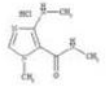
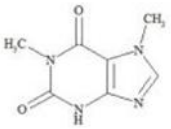
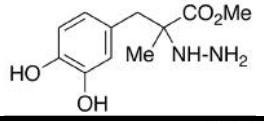
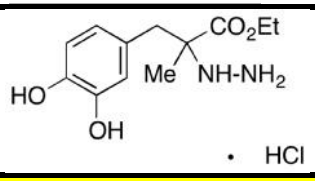
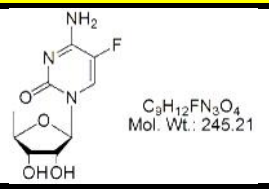
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Budesonide Impurity G	**NA**	137174-25-5	C25H36O6	432.55	
	Budesonide Impurity I	11?,17,21-Trihydroxy-3,20-dioxopregna-1,4-dien-16?-yl butanoate ;	113930-13-5	C25H34O7	446.53	
	Budesonide EP Impurity K	16?,17-[(1RS)-Butylidenebis(oxy)]-11?,21-dihydroxypregna-1,4-diene-3,20-dione-21-acetate ;	51333-05-2	C27H36O7	472.57	
	Budesonide Impurity L	16?,17-[(1RS)-Butylidenebis(oxy)]-21-hydroxypregna-1,4-diene-3,11,20-trione ;	216453-74-6	C25H32O6	428.52	
	BUSPIRONE					
	Buspirone EP Impurity A	1-(2-Pyrimidinyl)piperazine; 2-Piperazinopyrimidine; 4-(2-Pyrimidinyl)piperazine; CM 56324H; MJ 13653; N-2-Pyrimidinylpiperazine; PmP; 1-PP; Buspirone EP Impurity A	20980-22-7	C8H12N4	164.21	
	Buspirone EP Impurity C	2,2?-[Butane-1,4-diylbis(piperazine-1,4-diyl)]dipyrimidine ;	257877-45-5	C20H30N8	382.51	
	Buspirone EP Impurity E	[1-[2-Oxo-2-[[4-[4-(pyrimidin-2-yl)piperazin-1-yl]butyl]amino]ethyl] cyclopentyl]acetic acid ;	257877-46-6	C21H33N5O3	403.52	

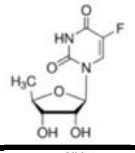
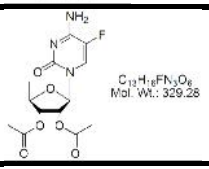
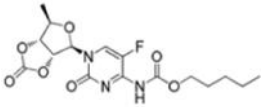
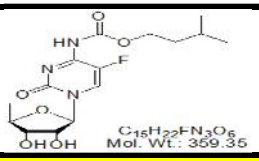
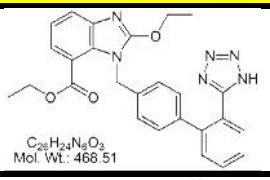
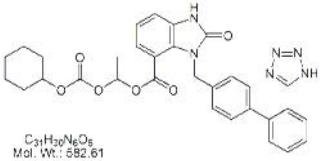
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Buspirone EP Impurity K	8-Azaspiro[4.5]decane-7,9-dione; 1,1-Cyclopentanediacetimide; 3-Spirocyclopentaneglutarimide; NSC 400092; Buspirone EP Impurity K	1075-89-4	C9H13NO2	167.21	
	Buspirone EP Impurity L	N-(4-Chlorobutyl)-1,1-cyclopentanediacetimide; Buspirone EP Impurity L	21098-11-3	C13H20ClNO2	257.76	
	Buspirone Impurity N	8,8-(1,4-Butanediyl)bis-8-azaspiro[4.5]decane-7,9-dione	257877-44-4	C22H32N2O4	388.5	
	CARFILZOMIB					
C	Carfilzomib N-Oxide Impurity	4-({[(1S)-1-{[(1S)-3-methyl-1-{[(1S)-1-{[(2R)-4-methyl-1-[(2R)-2-methyloxiran-2-yl]-1-oxopentan-2-yl]carbamoyl}-2-phenylethyl]carbamoyl}butyl]carbamoyl}-3-phenylpropyl]carbamoyl}methyl)morpholin-4-ium-4-olate.	NA	C40H57N5O8	735.93	
	CAFFEINE					
	Caffeine Impurity B	NA	7597-60-6	C7H10N4O3	198.18	

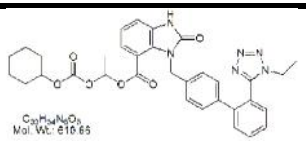
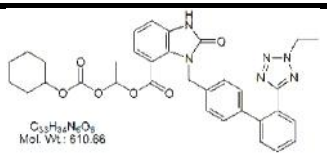
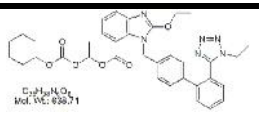
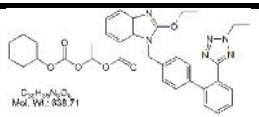
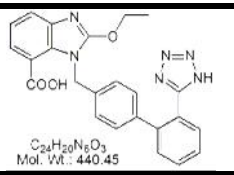
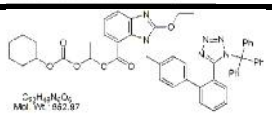
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Caffeine Impurity C	NA	519-32-4	C8H10N4O2	194.19	
	Caffeine Impurity E	NA	107605-95-8	C7H12N4O. HCl	168.20	
	Caffeine Impurity F	NA	611-59-6	C7H8N4O2	180.17	
	CARBIDOPA					
	Carbidopa Methyl Ester	Hydrazinyl-3,4-dihydroxy-?-methylbenzenepropanoic Acid Methyl Ester; ?-Hydrazino-3,4-dihydroxy-?-methylhydrocinnamic Acid Methyl Ester;	91431-01-5	C11H16N2O4	240.26	
	Carbidopa Ethyl Ester	Hydrazinyl-3,4-dihydroxy-?-methylbenzenepropanoic Acid Ethyl Ester Hydrochloride; ?-Hydrazino-3,4-dihydroxy-?-methylhydrocinnamic Acid Ethyl Ester Hydrochloride	96115-88-7	C12H19ClN2O4	290.74	
	CAPECITABINE					
	Capecitabine EP Impurity A	Capecitabine USP RC A ;5'-Deoxy-5-fluorocytidine ;	66335-38-4	C9H12FN3O4	245.21	

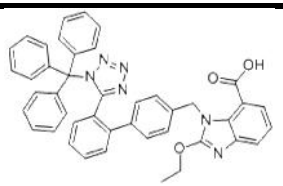
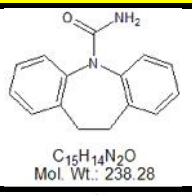
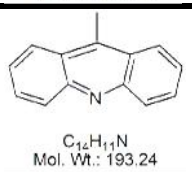
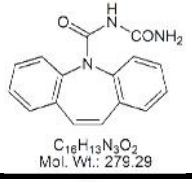
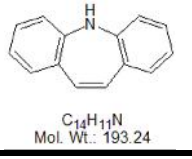
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Capecitabine RC B	Capecitabine EP Impurity B ;5'dFUrd, 5-Fluoro-5?-deoxyuridine, Doxifluridine.	3094-09-5	C9H11FN2O5	246.19	
	Capecitabine EP Impurity C	2?,3?-Di-O-acetyl-5?-deoxy-5-fluorocytidine ;	161599-46-8	C13H16FN3O6	329.28	
	Capecitabine RC C	2',3'-O-carbonyl-5'-deoxy-5-fluoro-N4-(pentyloxycarbonyl)cytidine.	921769-65-5	C16H20FN3O7	385.34	
	Capecitabine EP Impurity E	Capecitabine 3-Methylbutyloxy Impurity (USP) ; 5?-Deoxy-5-fluoro-N4-(3-methylbutyloxycarbonyl)cytidine ;	162204-30-0	C15H22FN3O6	359.35	
	CANDESARTAN					
	Candesartan Cilexetil EP Impurity A	2-Ethoxy-1-[[2-[1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1?-biphenyl]-4-yl]methyl]-1H-benzimidazole-7-carboxylic Acid ethyl ester.	139481-58-6	C26H24N6O3	468.51	
	Candesartan Cilexetil EP Impurity B	Candesartan Cilexetil O-Desethyl Analog ; (1RS)-1-[[(Cyclohexyloxy)carbonyl]oxy]ethyl 2-oxo-3-[[2?-(1H-tetrazol-5-yl)biphenyl-4-yl]methyl]-2,3dihydro-1H-benzimidazole-4-carboxylate ; 1-(Cyclohexyloxycarbonyloxy)ethyl 1-((2'-(1H-tetrazol-5-yl)biphenyl-4-yl) methyl)-2-hydroxy-1H-benzo[d]imidazole-	869631-11-8	C31H30N6O6	582.61	

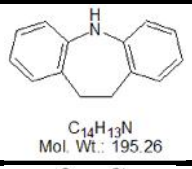
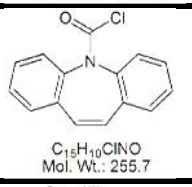
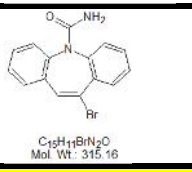
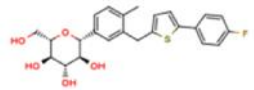
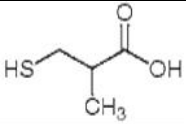
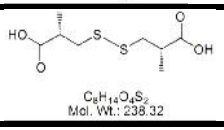
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
		7-carboxylate.				
	Candesartan Cilexetil EP Impurity C	Candesartan Cilexetil N1-Ethyl Amide ; Candesartan Cilexetil O-Desethyl N1-Ethyl Impurity ; 2-Desethoxy-2-Hydroxy-1H-N1-Ethyl Candesartan Cilexetil ; (1RS)-1-[[(Cyclohexyloxy)carbonyl]oxy]ethyl 3-[[2?-(1-ethyl-1H-tetrazol-5-yl)biphenyl-4-yl]methyl]-2-oxo-2,3-dihydro-1H-benzimidazole-4-carboxylate ;	1185255-99-5	C33H34N6O6	610.66	
	Candesartan Cilexetil EP Impurity D	Candesartan Cilexetil N2-Ethyl Amide ; Candesartan Cilexetil O-Desethyl N2-Ethyl Analog ; 2-Desethoxy-2-Hydroxy-2H-N2-Ethyl Candesartan Cilexetil ; (1RS)-1-[[(Cyclohexyloxy)carbonyl]oxy]ethyl 3-[[2?-(2-ethyl-2H-tetrazol-5-yl)biphenyl-4-yl]methyl]-2-oxo-2,3-dihydro-1H-benzimidazole-4-carboxylate ;	1185256-03-4	C33H34N6O6	610.66	
	Candesartan Cilexetil EP Impurity E	1H-N1-Ethyl Candesartan Cilexetil ; 2-Ethoxy-1-[[2'-[1-ethyl-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-7-carboxylic acid 1-[[(cyclohexyloxy) carbonyl]oxy]ethyl ester.	914613-35-7	C35H38N6O6	638.71	
	Candesartan Cilexetil EP Impurity F	Candesartan Cilexetil N2-Ethyl Impurity ; 2H-N2-Ethyl Candesartan Cilexetil ; 2-Ethoxy-1-[[2'-[2-ethyl-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-7-carboxylic acid 1-[[(cyclohexyloxy) carbonyl]oxy]ethyl ester ;	914613-36-8	C35H38N6O6	638.71	
	Candesartan Cilexetil EP Impurity G	1 Candesartan (Acid) ; 2-Ethoxy-3-[[4-[2-(1H-tetrazol-5-yl)phenyl]phenyl]methyl]-3H-benzoimidazole-4-carboxylic acid.	139481-59-7	C24H20N6O3	440.45	
	Candesartan Cilexetil EP Impurity H	Candesartan Cilexetil EP Impurity H ; Candesartan Cilexetil N1-Trityl Analog ; N1-Trityl Candesartan Cilexetil ; 2-Ethoxy-1-[[2'-[1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-7-carboxylic acid	170791-09-0	C52H48N6O6	852.97	

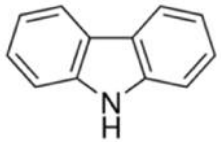
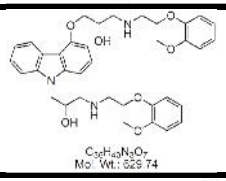
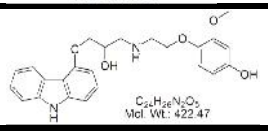
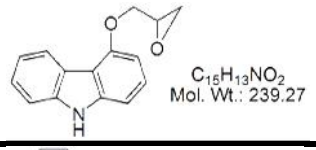
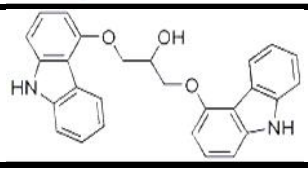
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
		1-[[(cyclohexyloxy) carbonyl]oxy]ethyl ester ;				
	Trityl Candesartan	TRITYL CANDESARTAN;N-Trityl Candesartan;Triphenyl Candesartan;CANDESARTAN INTERMEDIATE A;Candesartan N1-Trityl IMpurity;(1H)-Benzimidazole-7-carboxylicacid;TritylCandesartan,CandesartanCilexetil;TRITYL CANDESARTAN (FOR CANDESARTAN CILEXETIL);TritylCandesartan[CandesartabCilexetilIntermediates];2-ethoxy-1-[[(2-(1-triphenylmethyl-1Htetrazol-5-yl)bi	139481-72-4	C43H34N6O3	682.77	
	CARBAMAZEPINE					
	Carbamazepine EP Impurity A	10,11-Dihydro-5H-dibenzo[b,f]azepine-5-carboxamide ; 10,11-Dihydro carbamazepine ;	3564-73-6	C15H14N2O	238.28	
	Carbamazepine EP Impurity B	9-Methylacridine ;	611-64-3	C14H11N	193.24	
	Carbamazepine EP Impurity C	Carbamazepine USP Impurity C ; 5H-Dibenzo[b,f]azepin-5-ylcarbonyl)urea ; N-Carbamoyl Carbamazepine ;	1219170-51-0	C16H13N3O2	279.29	
	Carbamazepine EP Impurity D	Carbamazepine EP Impurity D ; 5H-Dibenzo[b,f]azepine ; Iminostilbene ;	256-96-2	C14H11N	193.24	

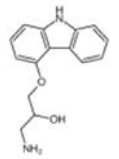
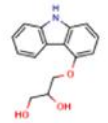
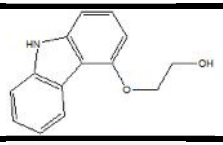
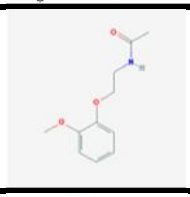
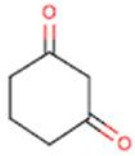
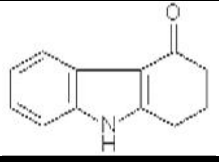
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Carbamazepine EP Impurity E	10,11-Dihydro-5H-dibenzo[b,f]azepine ; Iminodibenzyl ;	494-19-9	C14H13N	195.26	
	Carbamazepine EP Impurity F	5H-Dibenzo[b,f]azepine-5-carbonyl chloride ;	33948-22-0	C15H10ClNO	255.70	
	Carbamazepine EP Impurity G	10-Bromo-5H-dibenzo[b,f]azepine-5-carboxamide ; 10-Bromocarbamazepine ;	59690-97-0	C15H11BrN2O	315.16	
	CANAGLIFLOZIN					
	Canagliflozin Enantiomer Impurity	(2R,3S,4S,5R,6S)-2-(3-((5-(4-fluorophenyl)thiophen-2-yl)methyl)-4-methylphenyl)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol.	NA	C24H25FO5S	444.51	
	CAPTOPRIL					
	Captopril EP Impurity C	3-Mercaptoisobutyric Acid; 3-Mercapto-2-methyl-propionic Acid; ?-Mercapto-isobutyric Acid; Captopril EP Impurity C	26473-47-2	C4H8O2S	120.17	
	Captopril EP Impurity N	3,3?-Disulfanediylbis[(2S)-2-methylpropanoic] acid ;	65134-74-9	C8H14O4S2	238.32	

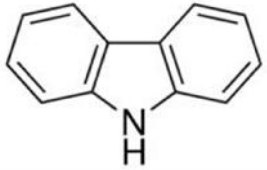
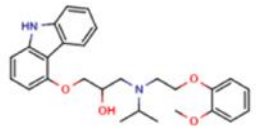
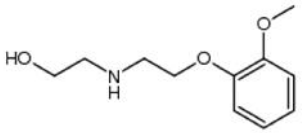
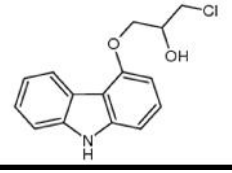
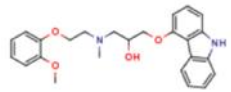
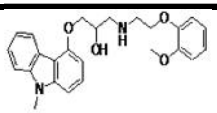
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	CARVEDILOL					
	Carvedilol Impurity API	Carbazole analytical standard	86-74-8	C12H9N	167.21	
	Carvedilol EP Impurity A	1-(4-(2-Hydroxy-3-(2-(2-methoxyphenoxy)ethylamino)propoxy)-9H-carbazol-9-yl)-3-(2-(2-methoxyphenoxy)ethylamino)propan-2-ol ;	1198090-73-1	C36H43N3O7	629.74	
	Carvedilol Impurity 1	4-[2-[[3-(9H-Carbazol-4-yloxy)-2-hydroxypropyl]amino]ethoxy]-3-methoxyphenol ;	142227-49-4	C24H26N2O5	422.47	
	Carvedilol EP Impurity D	Carvedilol USP RC D ; Carvedilol Epoxy Impurity ; 4-(2,3-Epoxypropoxy)carbazole ;	51997-51-4	C15H13NO2	239.27	
	Carvedilol Impurity USP	1,3-Bis(9H-carbazol-4-yloxy)-2-propanol (Carvedilol Impurity)	1276477-91-8	C27H22N2O3	422.48	

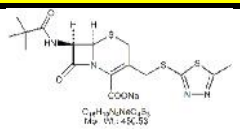
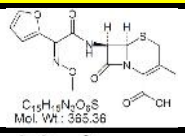
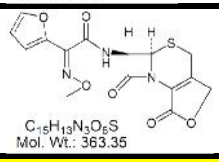
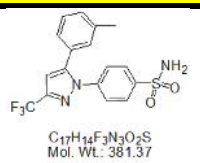
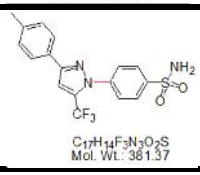
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Amino Propanol	1-Amino-3-(9H-carbazol-4-yloxy)-2-propanol	72955-96-5	C15H16N2O2	256.3	
	Carvedilol Diol	3-(9H-Carbazol-4-yloxy)-1,2-propanediol	123119-89-1	C15H15NO3	257.28	
	Carvedilol Impurity 2	2-(9H-Carbazol-4-yloxy)ethanol	NA	C14H13NO2	227.26	
	Carvedilol Impurity 3	N-[2-(2-methoxyphenoxy)ethyl]acetamide	293738-17-7	C11H15NO3	209.24	
	Carvedilol Impurity 4	Dihydro-1,3-benzenediol; 1,3-Dioxocyclohexane; Dihydroresorcinol; Hydroresorcinol; NSC 57477	504-02-9	C6H8O2	112.13	
	Carvedilol Impurity 5	1,2,3,4-Tetrahydro-4-oxocarbazole; 1,2,3,4-Tetrahydrocarbazol-4-one; 1,2-Dihydro-4(3H)-carbazolone; 2,3-Dihydrocarbazol-4(1H)-one; 4-Oxo-1,2,3,4-tetrahydrocarbazole;	15128-52-6	C12H11NO	185.22	

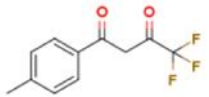
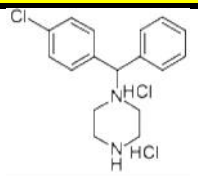
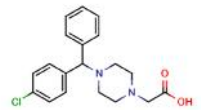
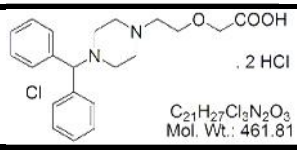
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Carvedilol Impurity API	Carbazole analytical standard	86-74-8	C12H9N	167.21	
	Carvedilol N-Isopropyl	1-(9H-Carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl](1-methylethyl)amino]-2-propanol;	1246819-01-1	C??H??N?O?	448.55	
	Carvedilol Impurity 6	2-[2-(2-methoxy-phenoxy)-ethylamino]-ethanol	10587-65-2	C11H17NO3	211.25	
	Carvedilol Impurity 7	1-(9H-carbazol-4-yloxy)-3-chloropropan-2-ol	1187921-93-2	C15H14ClNO2	275.73	
	Carvedilol Impurity 8	1-(9H-Carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]methylamino]-2-propanol;	72956-35-5	C25H28N2O4	420.5	
	Carvedilol Impurity 9	1-[[2-(2-Methoxyphenoxy)ethyl]amino]-3-[(9-methyl-9H-carbazol-4-oxy]-2-prpoanol	933442-47-8	C25H28N2O2	420.5	

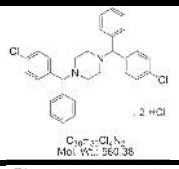
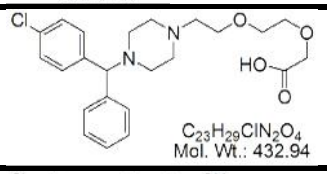
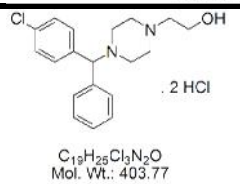
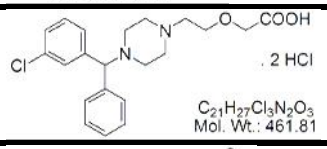
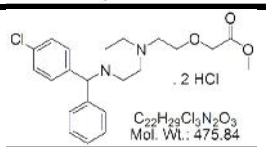
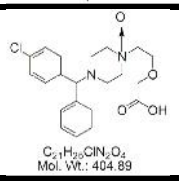
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	CEFAZOLIN					
	Cefazolin EP Impurity B	Cefazolin EP Impurity B ; (6R,7R)-7-[(2,2-Dimethylpropanoyl)amino]-3-[[(5-methyl-1,3,4-thiadiazol-2-yl)sulfanyl]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid sodium salt ;Cefazolin Pivaloyl;	NA	C16H19N4NaO4S3	450.53	
	CEFUROXIME					
	Cefuroxime Sodium EP Impurity C	(6R,7R)-7-[[(Z)-(Furan-2-yl)(methoxyimino)acetyl]amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid ;	NA	C15H15N3O6S	365.36	
	Cefuroxime Sodium EP Impurity H	(5aR,6R)-6-[[(Z)-(Furan-2-yl)(methoxyimino)acetyl]-amino]-5a,6-dihydro-3H,7H-azeto[2,1-b]furo[3,4-d][1,3]thiazine-1,7(4H)-dione ;	947723-87-7	C15H15N3O6S	363.35	
	CELECOXIB					
	Celecoxib EP Impurity A	4-[5-(3-Methylphenyl)-3-trifluoromethyl-1H-pyrazol-1-yl]benzenesulfonamide ;	170570-01-1	C17H14F3N3O2S	381.37	
	Celecoxib EP Impurity B	4-[3-(4-Methylphenyl)-5-trifluoromethyl-1H-pyrazol-1-yl]benzenesulfonamide ;	331943-04-5	C17H14F3N3O2S	381.37	

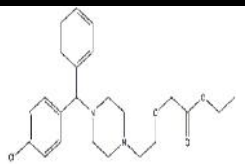
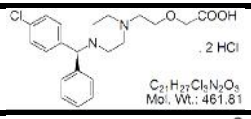
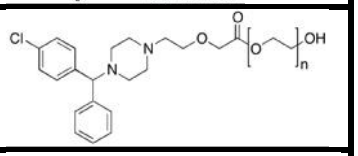
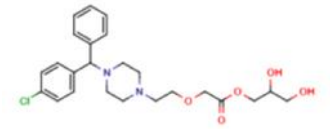
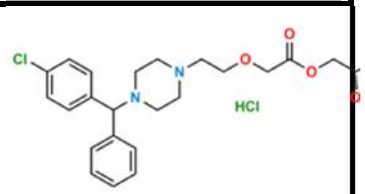
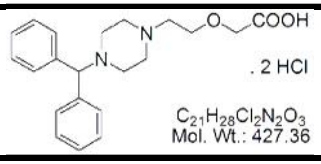
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	4,4,4-Trifluorobutane	4,4,4-trifluoro-1-(p-tolyl)butane-1,3-dione; 4,4,4-trifluoro-1-(4-methylphenyl)butane-1,3-dione; L-(4-Methylphenyl)-4,4,4-trifluorobutane-1,3-dione.	720-94-5	C11H9F3O2	230.55	
	CETIRIZINE					
	Cetirizine Dihydrochloride IMP A	1-[(4-CHLOROPHENYL)PHENYLMETHYL]-PIPERAZINE DIHYDROCHLORIDE.	18719-22-7	C17H19ClN2.2ClH	359.73	
	Cetirizine EP Impurity A	(RS)-1-[(4-Chlorophenyl)phenylmethyl]piperazine ;	303-26-4	C17H19ClN2	286.8	
	Cetirizine EP Impurity B	Cetirizine EP impurity B;Levocetirizine EP Impurity B ;2-{4-[azin-1- yrboxymethoxy) Cetirizine Acetic Acid.;Levocetirizine - Impurity B; Levocetirizine EP Impurity B.	113740-61-7	C19H21ClN2O2	344.84	
	Cetirizine EP Impurity C	(RS)-2-[2-[4-[(2-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy] acetic acid dihydrochloride.	83881-59-8	C21H27Cl3N2O3	461.81	

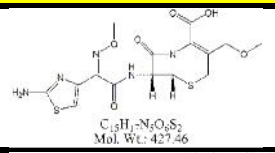
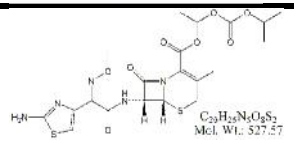
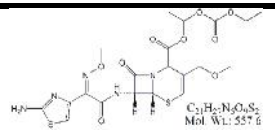
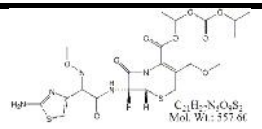
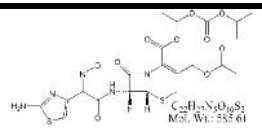
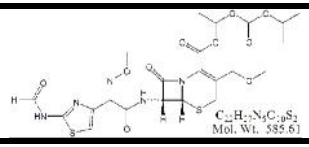
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Cetirizine EP Impurity D	1,4-bis[(4-Chlorophenyl)phenylmethyl]piperazine dihydrochloride.	346451-15-8	C30H30Cl4N2	560.38	
	Cetirizine EP Impurity E	(RS)-2-[2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy] ethoxy] acetic acid	682323-77-9	C23H29ClN2O4	432.94	
	Cetirizine EP Impurity G	2-[4-[(RS)-(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethanol dihydrochloride.	728948-88-7	C19H25Cl3N2O	403.77	
	Cetirizine 3-Chloro Impurity	(RS)-2-[2-[4-[(3-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy] acetic acid dihydrochloride.	1232460-29-5	C21H27Cl3N2O3	461.81	
	Cetirizine Methyl Ester (USP)	(RS)-2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy]acetic acid methyl ester dihydrochloride.	83881-46-3	C22H29Cl3N2O3	475.84	
	Cetirizine N-Oxide	(RS)-2-[2-[4-[(4-Chlorophenyl)phenylmethyl]-1-oxido-piperazin-1-yl]ethoxy] acetic acid ;	1076199-80-8	C21H25ClN2O4	404.89	

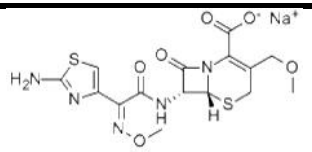
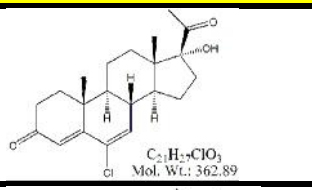
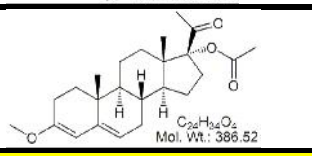
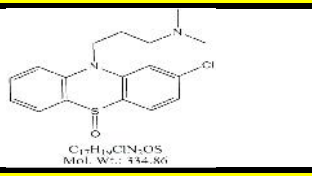
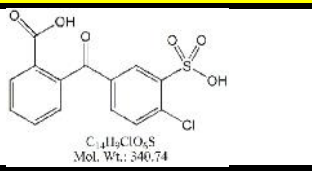
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Cetirizine Ethyl Ester (USP RC A)	Cetirizine USP RC A;Cetirizine Ethyl Ester;Cetirizine Related CoMpound A;Cetirizine Ethyl Ester (USP RC A);Cetirizine ethyl ester dihydrochloride;Levocetrizine IMpurity: IMpurity A (USP);Acetic acid, 2-[2-[4-[(4-chlorophenyl)phenylMethyl]-1- piperazinyl]ethoxy]-, ethyl ester;(RS)-2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy]acetic a	246870-46-2	C23H29ClN2O3	416.	
	Cetirizine S-Isomer	(S)-Cetirizine DiHydrochloride ; (S)-2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy]acetic acid dihydrochloride ;	163837-48-7	C21H27Cl3N2O3	461.81	
	Cetirizine Polyethylene Glycol (PEG) Ester	NA	1509941-93-8	C21H25ClN2O3[C2H4O]n	432.94	
	Cetirizine Glycerol Ester	2,3-dihydroxypropyl 2-(2-{4-[(azin-1- yl}ethoxy)acetate.	1243652-36-9	C24H31ClN2O5	462.97	
	Cetirizine Sorbitol Ester Impurity	(2R,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl 2-(2-(4-((4-chlorophenyl)(phenyl)methyl)piperazin-1-yl)ethoxy)acetate hydrochloride;	13848888-64-5	C27H37ClN2O8	553.04	
	Cetirizine EP Impurity F	Cetirizine EP Impurity F ; Deschloro Cetirizine Dihydrochloride (USP) ; [2-[4-(Diphenylmethyl)piperazin-1-yl]ethoxy]acetic acid dihydrochloride ;	83881-54-3	C21H28Cl2N2O3	427.36	

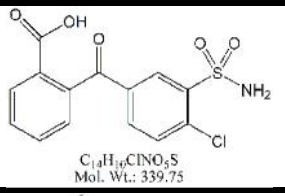
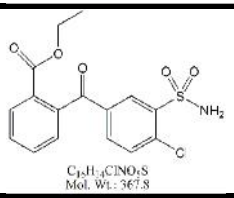
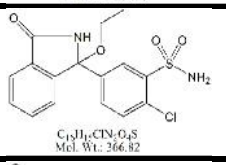
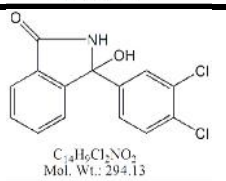
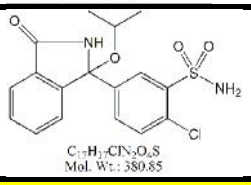
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	CEFPODOXIME					
	Cefpodoxime Proxetil EP Impurity A	Cefpodoxime ; Cefpodoxime Acid ; (6R,7R)-7-[[(2Z)-2-(2-Aminothiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylicacid ;	80210-62-4	C15H17N5O6S2	427.46	
	Cefpodoxime Proxetil EP Impurity B	ADCA-Analogue of Cefpodoxime Proxetil ; 3-Methyl 3-De(methoxymethyl) Cefpodoxime ; (1RS)-1-[[(1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-7-[[(2Z)-2-(2-amino thiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate ;	947692-14-0	C20H25N5O8S2	527.57	
	Cefpodoxime Proxetil EP Impurity C	Delta-2-Cefpodoxime Proxetil ; (1RS)-1-[[(1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-7-[[(2Z)-2-(2-amino thiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-(methoxymethyl)8-oxo-5-thia-1-azabicyclo[4.2.0]oct-3-ene-2-carboxylate ;	339528-86-8	C21H27N5O9S2	557.6	
	Cefpodoxime Proxetil EP Impurity D	Anti-Cefpodoxime Proxetil ; (1RS)-1-[[(1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-7-[[(2E)-2-(2-amino thiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate ;	947692-13-9	C21H27N5O9S2	557.60	
	Cefpodoxime Proxetil EP Impurity E	ACA-Analogue of Cefpodoxime Proxetil ; (1RS)-1-[[(1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-3-(acetoxymethyl)-7-[[(2Z)-2-(2-aminothiazol4-yl)-2-(methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate ;	217803-89-9	C22H27N5O10S2	585.61	
	Cefpodoxime Proxetil EP Impurity F	N-Formyl Cefpodoxime Proxetil ; (1RS)-1-[[(1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-7-[[(2Z)-2-[(2-formyl amino)thiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-	96680-30-7	C22H27N5O10S2	585.61	

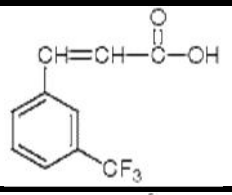
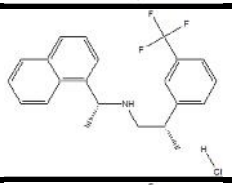
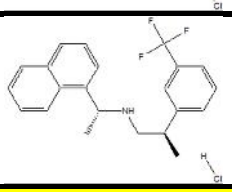
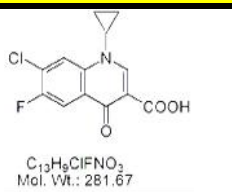
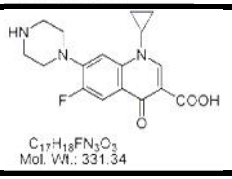
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
		ene-2-carboxylate ;				
	Cefpodoxime	R-3746;R 3746;Ru 51746;Cefpodoxime sodium salt;5-Thia-1-azabicyclo(4.2.0)oct-2-ene-2-carboxylic acid, 7-(((2-amino-4-thiazolyl)(methoxyimino)acetyl)amino)-3-(methoxymethyl)-8-oxo-, monosodium salt, (6R-(6alpha,7beta(Z)))-	82619-04-3	C15H16N5O6S2	449.442	
	CHLORMADINONE					
	Chlormadinone	6-Chloro-17-hydroxypregna-4,6-diene-3,20-dione ;	1961-77-9	C21H27ClO3	362.89	
	Chlormadinone Acetate EP Impurity H	3-Methoxy-20-oxopregna-3,5-dien-17-yl acetate ;	1054-64-4	C24H34O4	386.52	
	CHLORPROMAZINE					
	Chlorpromazine EP Impurity A	3-(2-Chloro-10H-phenothiazin-10-yl)-N,N-dimethylpropan-1-amine S-oxide ;	969-99-3	C17H19ClN2OS	334.86	
	CHLORTHALIDONE					
	Chlorthalidone Impurity A	2-(4-Chloro-3-sulfobenzoyl)benzoic acid ;	NA	C14H9ClO6S	340.74	

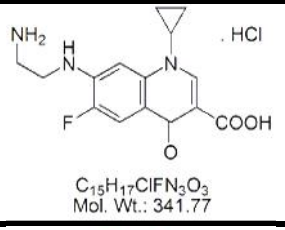
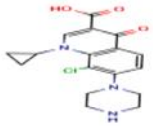
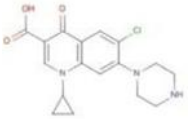
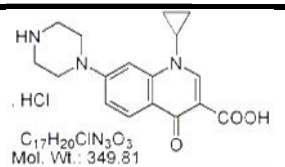
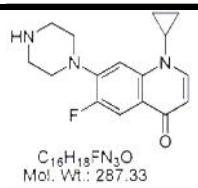
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Chlorthalidone Impurity B	2-[3-(Aminosulfonyl)-4-chlorobenzoyl]-benzonic acid ;	5270-74-6	C14H10ClNO5S	339.75	
	Chlorthalidone Impurity C	2-[3-(Aminosulfonyl)-4-chlorobenzoyl]-benzonic acid ethyl ester ;	92874-73-2	C16H14ClNO5S	367.8	
	Chlorthalidone Impurity D	2-Chloro-5[(1RS)-1-ethoxy-3-oxo-2,3-dihydro-1H-isoindol-1-yl]benzene sulfonamide ;	1369588-00-0	C16H15ClN2O4S	366.82	
	Chlorthalidone Impurity G	(3RS)-3-(3,4-Dichlorophenyl)-3hydroxy-2,3-dihydro-1H-isoindol-1-one ;	16289-13-7	C14H9Cl2NO2	294.13	
	Chlorthalidone Impurity H	2-Chloro-5[(1RS)-1-(1-methylethoxy)-3-oxo-2,3-dihydro-1H-isoindol-1-yl] benzenesulfonamide ;	NA	C17H17ClN2O4S	380.85	
	CINACALCET					

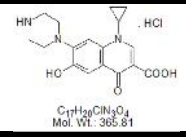
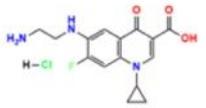
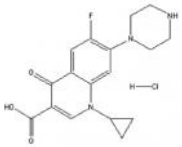
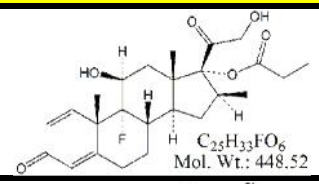
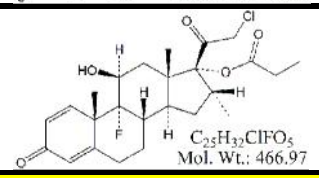
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Cinacalcet Impurity 1	3-(3-Trifluoromethylphenyl)-2-propenoic Acid; 3-(3-Trifluoromethylphenyl)acrylic Acid; m-(Trifluoromethyl)cinnamic Acid	779-89-5	C??H?F?O?	216.16	
	Cinacalcet Diastereo	(2S)-2-(3-(Trifluoromethyl)phenyl)-N-((R)-1-(naphthalen-1-yl)ethyl)propan-1-amine hydrochloride	2059891-97-1	C22H23ClF3N	393.87	
	Cinacalcet Diastereo Isomer-2	(2R)-2-(3-(Trifluoromethyl)phenyl)-N-((R)-1-(naphthalen-1-yl)ethyl)propan-1-amine hydrochloride	2059891-96-0	C22H23ClF3N	393.87	
	CIPROFLOXACIN					
	Ciprofloxacin EP Impurity A	Ciprofloxacin EP Impurity A ; Enrofloxacin EP Impurity A ; 7-Chloro-1-cyclopropyl-6-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid ;	86393-33-1	C13H9ClFNO3	281.67	
	Ciprofloxacin	1-Cyclopropyl-6-fluoro-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid ;	85721-33-1	C17H18FN3O3	331.34	

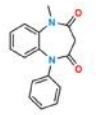
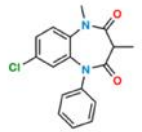
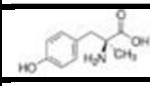
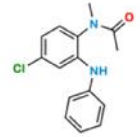
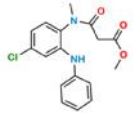
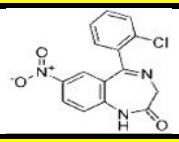
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ciprofloxacin EP Impurity C	Ciprofloxacin EP Impurity C ; Enrofloxacin EP Impurity G ; 7-[(2-Aminoethyl)amino]-1-cyclopropyl-6-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid hydrochloride ; Desethylene Ciprofloxacin.	103222-12-4	C15H16FN3O3	305.3	
	Ciprofloxacin EP Impurity D	7-Chloro-1-cyclopropyl-4-oxo-6-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid hydrochloride ;Ciprofloxacin USP Related Compound A ;	133210-96-5	C17H18ClN3O3	347.80	
	Ciprofloxacin Chloroanalog	3-Quinolinecarboxylic acid,6-chloro-1-cyclopropyl-1,4-dihydro-4-oxo-7-(1-piperazinyl).	93106-58-2	C17H18ClN3O3	347.80	
	Ciprofloxacin EP Impurity B	Desfluoro Ciprofloxacin HCl ;1-Cyclopropyl-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid hydrochloride.	93107-11-0	C17H20ClN3O3	349.81	
	Ciprofloxacin EP Impurity E	1-Cyclopropyl-6-fluoro-7-(piperazin-1-yl)quinolin-4(1H)-one ;	105394-83-0	C16H18FN3O	287.33	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ciprofloxacin EP Impurity F	Ciprofloxacin 6-Hydroxy Analog ; 1-Cyclopropyl-6-hydroxy-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid hydrochloride ;	226903-07-7	C17H19N3O4	329.35	
	Ciprofloxacin Impurity 1	6-((2-aminoethyl)amino)-1-cyclopropyl-7-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid hydrochloride	528851-30-1	C15H17ClFN3O3	341.77	
	Ciprofloxacin HCl	1-cyclopropyl-6-fluror-4-oxo-7-piperazin-1-ylquinoline-3-carboxylic acid hydrochloride.	93107-08-5	C17H18FN3O3	367.80	
	CLOBETASOL					
	Clobetasol Impurity A	9-Fluoro-11?,21-dihydroxy-16?-methyl-3,20-dioxopregna-1,4-dien-17-yl propanoate ;	5534-13-4	C25H33FO6	448.52	
	Clobetasol Impurity C	21-Chloro-9-?uoro-11?-hydroxy-16?-methyl-3,20-dioxopregna-1,4-dien-17-yl propanoate ;	25122-52-5	C25H32ClFO5	466.97	
	CLOBAZAM					

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Clobazam Impurity B	1-methyl-5-phenyl-1,5-dihydro-3H-1,5-benzodiazepine-2,4-dione	22316-24-1	C16H14N2O2	266.3	
	Clobazam Impurity C	(3RS)-7-chloro-1,3-dimethyl-5-phenyl-1,5-dihydro-3H-1,5-benzodiazepine-2,4-dione	22316-16-1	C17H15ClN2O2	314.77	
	Clobazam Impurity D	7-chloro-1,3,3-trimethyl-5-phenyl-1,5-dihydro-3H-1,5-benzodiazepine-2,4-dione	NA	C18H17ClN2O2	328.8	
	Clobazam Impurity E	N[4chloro2(phenylamino)phenyl]Nmethylacetamide	75524-13-9	C15H15ClN2O	274.75	
	Clobazam Impurity F	methyl-3[[4-chloro-2(phenylamino)phenyl]methylamino]3-oxopropanoate	NA	C17H17ClN2O3	332.8	
	CLONAZEPAM					
	Clonazepam Impurity B	3-Amino-4-(2-chlorophenyl)-6-nitroquinolin-2(1H)-one; USP Clonazepam Related Impurity A; Clonazepam EP Impurity B	55198-89-5	C15H10ClN3O3	315.7112	
	CLINDAMYCIN					

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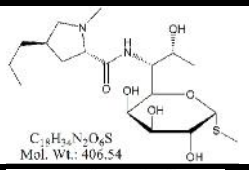
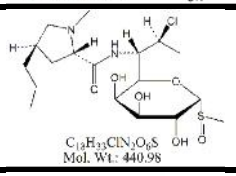
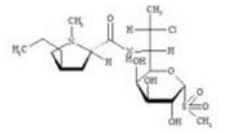
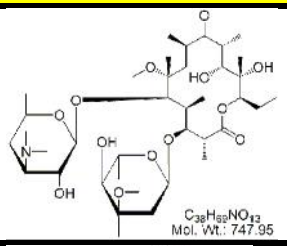
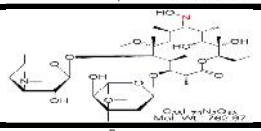
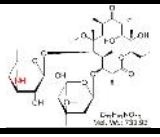
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Clindamycin HCl EP Impurity A	Clindamycin Phosphate EP Impurity A ; Lincomycin (USP) ; Methyl 6,8-dideoxy-6-[[[(2S,4R)-1-methyl-4-propylpyrrolidin-2-yl]carbonyl] amino]-1-thio-D-erythro-?-D-galacto-octopyranoside ;	154-21-2	C18H34N2O6S	406.54	
	Clindamycin Sulfoxide	7-Chloro-1,6,7,8-tetradeoxy-6-[[[(2S,4R)-1-methyl-4-propyl-2-pyrrolidinyl] carbonyl]amino]-1-(methylsulfinyl)-L-threo-?-D-galactooctopyranose ;	22431-46-5	C18H33ClN2O6S	440.98	
	Clindamycin Impurity (Sulfone)	NA	887402-22-4	C18H33ClN2O7S	456.99	
	CLARITHROMYCIN					
	Clarithromycin	6-O-Methylerythromycin A ; (3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-4-[(2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo-hexopyranosyl)oxy]-14-ethyl-12,13-dihydroxy-7-methoxy-3,5,7,9,11,13-hexamethyl-6-[[3,4,6-trideoxy-3-(dimethylamino)-?-Dxylo-hexopyranosyl]oxy]oxacyclotetradecane-2,10-dione ;	81103-11-9	C38H69NO13	747.95	
	Clarithromycin EP Impurity C	6-O-Methylerythromycin A (E)-9-oxime ;	103450-87-9	C38H70N2O13	762.97	
	Clarithromycin EP Impurity D	3?-N-Demethyl-6-O-methylerythromycin A ;	101666-68-6	C37H67NO13	733.93	

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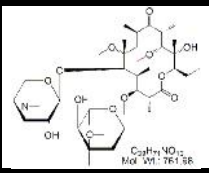
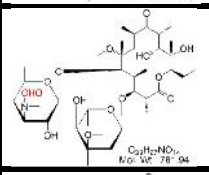
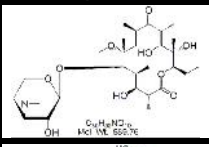
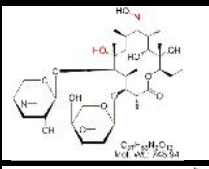
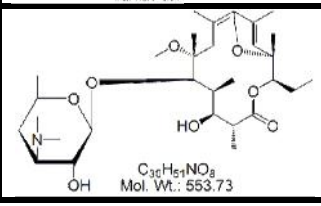
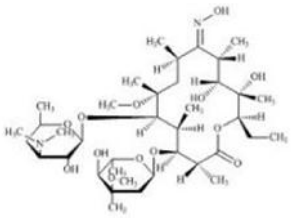
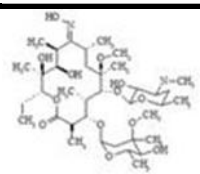
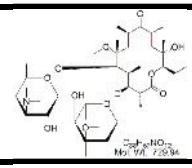
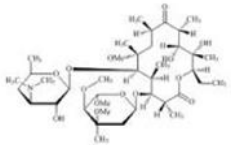
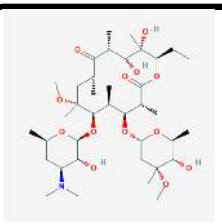
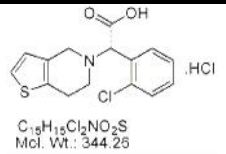
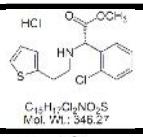
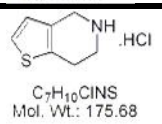
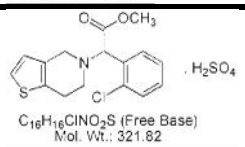
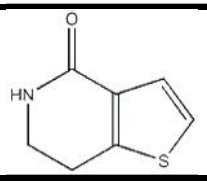
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Clarithromycin EP Impurity E	6,11-Di-O-methylerythromycin A ;	81103-14-2	C39H71NO13	761.98	
	Clarithromycin EP Impurity H	3?-N-Demethyl-3?-N-formyl-6-O-methylerythromycin A ;	127140-69-6	C38H67NO14	761.94	
	Clarithromycin EP Impurity I	3-O-Decladinosyl-6-O-methylerythromycin A ;	118058-74-5	C30H55NO10	589.76	
	Clarithromycin EP Impurity J	Erythromycin A (E)-9-oxime ;	13127-18-9	C37H68N2O13	748.94	
	Clarithromycin EP Impurity K	(1S,2R,5R,6S,7S,8R,9R,11Z)-2-Ethyl-6-hydroxy-9-methoxy-1,5,7,9,11,13-hexamethyl-8-[[3,4,6-trideoxy-3-(dimethylamino)-?-D-xylo-hexopyranosyl]oxy]-3,15-dioxabicyclo[10.2.1]pentadeca-11,13-dien-4-one ;	127157-35-1	C30H51NO8	553.73	

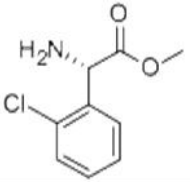
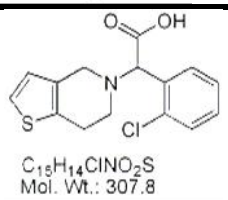
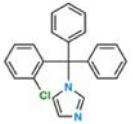
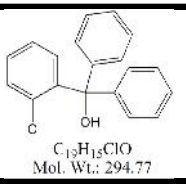
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Clarithromycin EP Impurity L	(3R,4S,5S,6R,7R,9R,10Z,11S,12R,13S,14R)-6-{[(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyloxan-2-yl]oxy}-14-ethyl-12,13-dihydroxy-4-{[(2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6- dimethyloxan-2-yl]oxy}-10-(hydroxyimino)-7-methoxy- 3,5,7,9,11,13-hexamethyl-1-ne.	127253-05-8	C38H70N2O13	762.99	
	Clarithromycin EP Impurity M	3-N-demethyl-6-O-methylerythromycin A (E)-9-Oxime	NA	C38H70N2O13	762.99	
	Clarithromycin EP Impurity N	(10E)-10,11-Didehydro-11-deoxy-6-O-methylerythromycin A ;	144604-03-5	C38H67NO12	729.94	
	Clarithromycin EP Impurity P	rivative; 4'-O-Methylclarithromycin.	123967-58-8	C39H71NO13	761.98	
	(14R)-14-Hydroxy Clarithromycin	14-OH Clarithromycin; (14-OH)Clarithromycin; AC1L9UMU; (3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-6-[(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyl-tetrahydropyran-2-yl]oxy-14-ethyl-12,13,14-trihydroxy-4-[(2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyl-tetrahydropyran-2-yl]oxy-7-methoxy-3,5,7,9,11,13-hexamethyl-oxacyclotetradecane-2,10-dione; (3R,4S,5S	116836-41-0	C38H69NO14	763.95	
	CLOPIDOGREL					

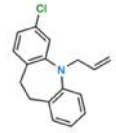
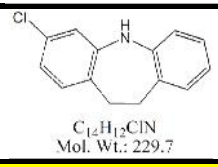
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Clopidogrel EP Impurity A	Clopidogrel USP Related Compound A ; (S)-Clopidogrel Acid Hydrochloride ; Clopidogrel Acid S-Isomer HCl ; (+)-(S)-(2-Chlorophenyl)[6,7-dihydrothieno [3,2-c]pyridine-5(4H)-yl]acetic acid hydrochloride.	144750-42-5	C15H15Cl2NO2S	344.26	
	Clopidogrel USP RC B	Methyl (±)-(o-chlorophenyl)[4,5-dihydrothieno[2,3-c]pyridine-6(7H)-yl]acetate hydrochloride ; Methyl (2RS)-(o-chlorophenyl)[4,5-dihydrothieno[2,3-c]pyridine-6(7H)-yl]acetate hydrochloride.	144750-52-7	C16H17Cl2NO2S	358.28	
	Clopidogrel Thienylethyl Impurity	Clopidogrel Thienylethyl Impurity (HCl salt) ; (S)-2-Chloro-alpha-[[2-(2-thienyl)ethyl]amino]benzeneacetic acid methyl ester HCl ;	141109-20-8	C15H16ClNO2S	309.81	
	Clopidogrel Thienopyridine Impurity	4,5,6,7-Tetrahydrothieno[3,2-c] pyridine hydrochloride ;	28783-41-7	C7H10ClNS	175.68	
	Clopidogrel Bisulfate	Clopidogrel Hydrogen Sulfate ; Methyl (2S)-(2-chlorophenyl)[6,7-dihydro thieno [3,2-c]pyridin-5(4H)-yl]acetate sulfate ;	120202-66-6	C16H16ClNO2S	321.81	
	Clopidogrel Impurity 1	Ticlopidine Related CoMpound A;6.7-dihydrothieno[3.2.c]pyridin-4(5H)-one;Ticlopidine Related Compound A (20 mg) (4-oxo-4,5,6,7-tetrahydrothieno-[3,2-c]pyridine).	68559-60-4	C7H7NOS	153.20	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	S-Clopidogril Acid Impurity	Clopidogrel Acid Racemate HCl ; Clopidogrel Metabolite "SR26334" HCl ; rac-Clopidogrel Carboxylic Acid HCl ; (2RS)-(2-Chlorophenyl)[6,7-dihydrothieno [3,2-c]pyridin-5(4H)-yl]acetic acid HCl ;	1015247-88-7	C15H15Cl2NO2S	344.26	
	Chlorophenylglycine Methyl Ester	S)-(+)-2-Chlorophenylglycine methyl ester of Methyl (+)-Tartrate C-aMino(2-chlorophenyl) METHYL S-(+)-2-CHLORO PHENYLGLYCINATE;L(+)-2-Chlorophenylglycine Methyl HCL;Chemical intermediate for Clopidogrel;	141109-14-0	C9H10ClNO2	199.63	
	Clopidogrel Acid Racemate	rac-Clopidogrel Carboxylic Acid ; Clopidogrel Metabolite "SR26334" ; (2R)-(2-Chlorophenyl)[6,7-dihydro thieno [3,2-c]pyridin-5(4H)-yl]acetic acid ;	90055-55-3	C15H14ClNO2S	307.8	
	CLOTRIMAZOLE					
	Clotrimazole	Clotrimazole Impurity API	23593-75-1	C22H17ClN2	344.85	
	Clotrimazole EP Impurity A	(2-Chlorophenyl)diphenylmethanol ;	66774-02-5	C19H15ClO	294.77	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Clotrimazole EP Impurity E	(2-Chlorophenyl)phenylmethanone ;	5162-03-8	C13H9ClO	216.66	
	CLOMIPRAMINE					
	Clomipramine Hydrochloride Impurity G	N-Allyl-3-chloro-10,11-dihydro-5H-dibenzo[b,f]azepine; 3-Chloro-10,11-dihydro-5-(2-propen-1-yl)-5H-dibenz[b,f]azepine;	1425793-87-8	C17H16ClN	269.78	
	Clomipramine EP Impurity F	3-Chloro-10,11-dihydro-5H-dibenzo[b,f]azepine ;	32943-25-2	C14H12ClN	229.7	
	CLOZAPINE					
	Clozapine EP Impurity A	8-Chloro-5,10-dihydro-11H-dibenzo[b,e][1,4]-diazepin-11-one; ;drodebenzo[b,e][1,4]diazepin-11-one;8-Chloro-5,10-dihydro-11H-dibenzo[b,e][1,4]-diazepin-11-one; ,4]diazepin-11-one; drodebenzo[b,e][1,4]diazepin-11-one; 3-chloro-5,11-dihydrobenzo[b][1,4]benzodiazepin-6-one;8-Chloro-11-oxo-5H-dibenzo[b,e][1,4]diazepine;8-Chloro-5,10-dihydrodibenzo[b,f]	50892-62-1	C13H9ClN2O	244.67	
	Clozapine EP Impurity B	11,11'-(Piperazine-1,4-diyl)-bispine; hloro-5H-benzo[b][1,4]benzodiazepin-6-yl)piperazin-1-yl]-5H-benzo[b][1,4]benzodiazepine;	263366-81-0	C30H24Cl2N6	538.14	

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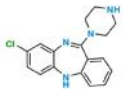
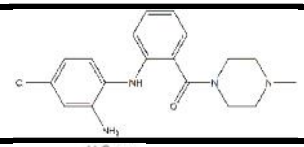
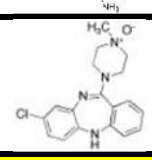
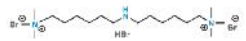
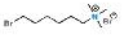
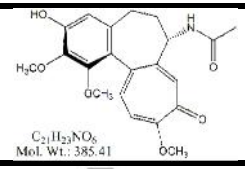
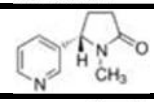
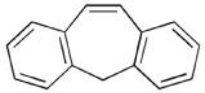
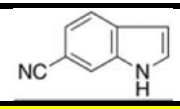
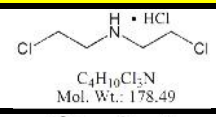
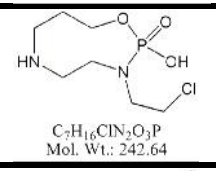
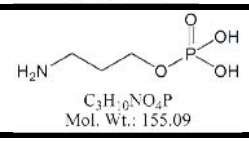
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Clozapine EP Impurity C	NA	6104-71-8	C17H17ClN4	312.8	
	Clozapine EP Impurity D	Clozapine EP IMpurity D;[2-[(2-AMino-4-chlorophenyl)aMino]phenyl](4-Methyl-1-piperazinyl)Methanone.	65514-71-8	C18H21ClN4O	344.84	
	Clozapine N-Oxide	8-Chloro-11-(4-methyl-1-piperazinyl)-5H-dibenzo[b,e][1,4]diazepine N-Oxide, CNO.	34233-69-7	C18H19ClN4O	342.82	
	AMINOQUAT					
	Dihexyl Aminoquat	6,6'-azanediylbis(N,N,N-trimethylhexan-1-aminium) bromide hydrobromide	NA	C18H43N3 2Br HBr	301.5	
	Aminoquat	1-?Hexanaminium, 6-?amino-?N,?N,?N-?trimethyl-?, bromide, hydrobromide; (6-Aminohexyl)trimethylammonium bromide, hydrobromide (6CI) 1-Hexanaminium, 6-amino-N,N,N-trimethyl-, bromide, hydrobromide (9CI); Ammonium, (6-aminohexyl)trimethyl-, bromide, hydrobromide (8CI)	33968-67-1	C9H23N2 Br HBr	159.3	
	Decyl Aminoquat	6-(decylamino)-N,N,N-trimethylhexan-1-aminium bromide hydrobromide	NA	C19H43N2 Br HBr	299.6	
	Bromquat Impurity	1-?Hexanaminium, 6-?bromo-?N,?N,?N-?trimethyl-?, bromide, compd. with 1-?bromodecane and (chloromethyl)?oxirane polymer with 2-?propen-?1-?amine	475503-55-0	C9H21Br2N	303	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
		(9Cl); Polyamine; Polyamine formed; Polyvinyl				
	Colchicine EP Impurity E	N-[(7S,12aRa)-3-Hydroxy-1,2,10-trimethoxy-9-oxo-5,6,7,9-tetrahydrobenzo[a]heptalen-7-yl]acetamide ;	7336-33-6	C21H23NO6	385.4	
	Cotinine	(S)-1-Methyl-5-(3-pyridyl)-2-pyrrolidinone, S(?)-1-Methyl-5-(3-pyridyl)-2-pyrrolidone.	486-56-6	C10H12N2O	176.22	
	Cyproheptadine RC A	1,2:5,6-Dibenzocycloheptatriene; 1,2:5,6-Dibenzotropilidene; 2,3:6,7-Dibenzo-4-suberene; 2,3:6,7-Dibenzocycloheptatriene; Dibenzo[a,d]cycloheptatriene; Dibenzo[a,e]cycloheptatriene; Suberene; USP Cyproheptadine Related Compound A;	256-81-5	C15H12	192.26	
	6-Cyanoindole	1H-Indole-6-carbonitrile;	15861-36-6	C9H6N2	142.16	
	CYCLOPHOSPHAMIDE					
	Cyclophosphamide USP RC A	Bis(2-Chloroethyl)amine hydrochloride	821-48-7	C4H10Cl3N	178.49	
	Cyclophosphamide USP RC B	3-(2-Chloroethyl)-2-oxo-2-hydroxy-1,3,6,2-oxadiazaphosphonane ;	158401-52-6	C7H16ClN2O3P	242.64	
	Cyclophosphamide USP RC C	3-Aminopropyl dihydrogen phosphate ; 3-Aminopropyl-phosphoric acid ester ;	1071-28-9	C3H10NO4P	155.09	

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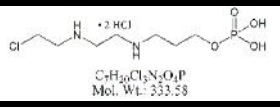
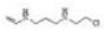
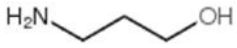
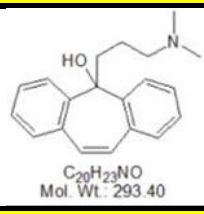
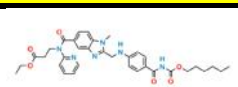
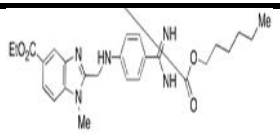
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Cyclophosphamide USP RC D	3-[2-(2-chloroethylamino)ethylamino]propyl dihydrogen phosphate dihydrochloride ; 9-Chloro-4,7-diazanonyl dihydrogenphosphate dihydrochloride ;	158401-51-5	C7H20Cl3N2O4P	333.58	
	Cyclophosphamide Impurity C	NA	NA	C7H15ClN2	162.66	
	Cyclophosphamide Impurity E	3-Amino-1-propanol; 3-Aminopropyl alcohol; 1-Propanol, 3-amino-; 3-Aminopropan-1-ol; 3-Amino-1-propanol,3-Aminopropyl alcohol;	156-87-6	C3H9NO	75.11	
	CYCLOBENZAPRINE					
	Cyclobenzaprine USP RC A	3-(5-Hydroxy-5H-dibenzo[a,d]cyclohepten-5-yl)-N,N-dimethyl-propylamine ; 5-[3-(N,N-Dimethylamino)propyl]-5H-dibenzo[a,d]cyclohepten-5-ol ; 5-[3-(N,N-Dimethylamino)propyl]-dibenzosuberen-5-ol ;	18029-54-4	C20H23NO	293.40	
	DABIGATRAN					
	Dabigatran Impurity 1	N-[[2-[[[4-[[[(Hexyloxy)carbonyl]amino]carbonyl]phenyl]amino]methyl]-1-methyl-1H-benzimidazol-5-yl]carbonyl]-N-2-pyridinyl-?-alanine Ethyl Ester.	1408238-40-3	C34H40N6O6	628.72	
	Dabigatran Impurity 2	Des-(N-2-pyridyl-?-alanine Ethyl Ester) Dabigatran Etexilate 5-Ethyl Carboxylate (Dabigatran Impurity);2-[[[4-[[[(Hexyloxy)carbonyl]amino]iminomethyl]phenyl]amino]methyl]-1-methyl-1H-benzimidazole-5-carboxylic Acid Ethyl Ester	1408238-36-7	C26H33N5O4	479.57	

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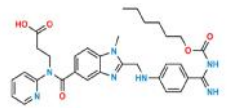
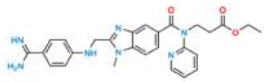
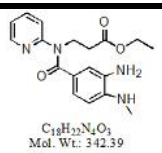
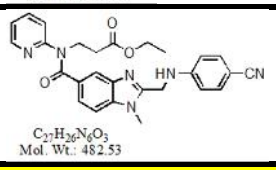
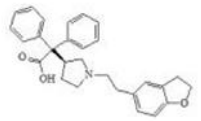
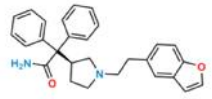
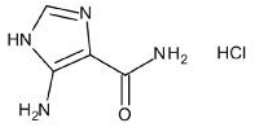
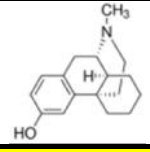
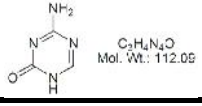
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Dabigatran Impurity 3	O-Desethyl Dabigatran Etexilate;3-(2-((4-(N-(hexyloxycarbonyl)carbamimidoyl)phenylamino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-carboxamido)propanoic acid;	212321-78-3	C32H37N7O5	599.68	
	Dabigatran Impurity 4	Dabigatran JPBA Impurity 4(Mesylate Salt) ; Dabigatran Ethyl Ester Mesylate Salt ; 3-({2-[(4-Carbamimidoyl-phenylamino)-methyl]-1-methyl-1H-benzoimidazole-5-carbonyl}-pyridin-2-yl-amino)-propionic acid ethyl ester mesylate ; ethyl 3-(2-(((4-carbamimidoylphenyl)amino)methyl)-1-methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-carboxamido)propanoate;	429658-95-7	C27H29N7O3	499.58	
	Dabigatran Methylamino Impurity	3-[(3-Amino-4-methyl amino-benzoyl)-pyridin-2-yl-amino] propanoic acid ethyl ester ;	212322-56-0	C18H22N4O3	342.39	
	Dabigatran Ethyl Ester Cyano Analog	3-({2-[(4-Cyanophenylamino)-methyl]-1-methyl-1H-benzoimidazole-5-carbonyl}-pyridin-2-yl-amino)-propionic acid ethyl ester ;	211915-84-3	C27H26N6O3	482.53	
	DARIFENACIN					
	Darifenacin Impurity A	2-((R)-1-(2-(2,3-dihydrobenzofuran-5-yl)ethyl)pyrrolidin-3-yl)-2,2-diphenylacetic acid	1048979-16-3	C28H29NO3	427.55	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Darifenacin Oxidized Impurity	3-?Pyrrolidineacetamide?, 1-?[2-?(5-?benzofuranyl)?ethyl]?-??,??-?diphenyl-?, (3S)?-; 3-Pyrrolidineacetamide, 1-[2-(5-benzofuranyl)ethyl]-?,?-diphenyl-, (S)- (9CI); (3S)-1-[2-(5-Benzofuranyl)ethyl]-?,?-diphenyl-3-pyrrolidineacetamide; (S)-2-[1-[2-(Benzofuran-5-yl)ethyl]-3-pyrrolidinyl]-2,2-diphenylacetamide;	133033-99-5	C28H28N2O2	424.55	
	DACARBAZINE					
	Dacarbazine Related Compound A	5-aminoimidazole-4-carboxamide hydrochloride.	72-40-2	C4H7ClN4O	162.58	
	DEXTROMETHORPHAN					
	Dextromethorphan Hydrobromide	(9S,13S,14S)-3-Methoxy-17-methylmorphinan hydrobromide.	125-69-9	C18H25NO	352.31	
	DEXTRORPHAN					
	Dextrorphan	(+)-3-Hydroxy-17-methylmorphinan, 1,3,4,9,10,10a-Hexahydro-6-hydroxy-2H-10,4a-(iminoethano)-11-methylphenanthrene.	125-73-5	C17H23NO	257.37	
	DECITABINE					
	Decitabine Triazinone	4-Amino-1,3,5-triazin-2(5H)-one ;	931-86-2	C3H4N4O	112.09	

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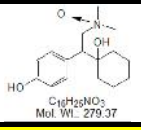
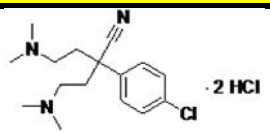
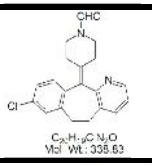
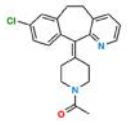
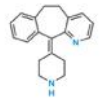
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Desvenlafaxine N-Oxide	4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol N-oxide ;	NA	C16H25NO3	279.37	
	DESLORATADINE					
	Desloratadine EP Impurity A	4-[(11RS)-8-chloro-11-fluoro-6,11-dihydro-5H-benzo [5,6] cyclohepta [1,2-b]pyridin-11-yl]piperidine ;	298220-99-2	C19H20ClFN2	330.83	
	Desloratadine EP Impurity B	8-Chloro-6,11-dihydro-11-(1,2,3,6-tetrahydro-4-pyridinyl)-5H-benzo[5,6]cyclohepta[1,2-b]pyridine ;	183198-49-4	C19H19ClN2	310.82	
	Desloratadine USP RC F	8-Chloro-6,11-dihydro-11-(1-formyl-4-piperidin ylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine ;	117810-61-4	C20H19ClN2O	338.83	
	Desloratadine N-Acetyl Impurity	Desloratadine N-Acetyl Impurity ; N-Acetyl Desloratadine ;	117796-52-8	C21H21ClN2O	352.13	
	Desloratadine Deschloro Impurity	Desloratadine Deschloro Impurity ; 4-(5,6-Dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-piperidine HCl ;	38092-95-4	C19H20N2	276.4	

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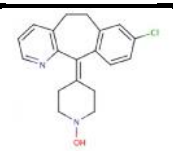
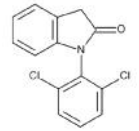
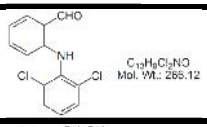
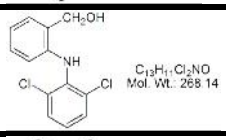
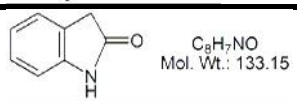
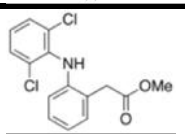
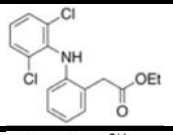
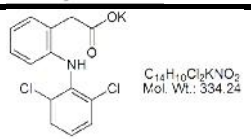
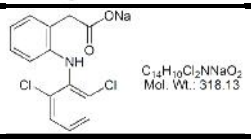
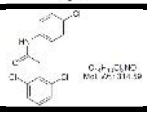
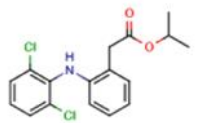
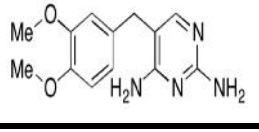
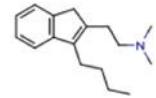
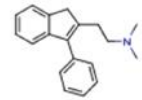
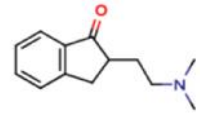
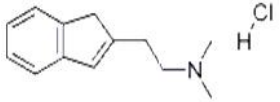
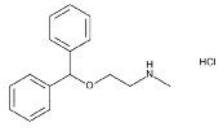
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	N-Methyl Desloratadine	8-Bromo-6,11-dihydro-11-(1-methyl-4-piperdinylidene)-5H-benzo[5,6] cyclohepta [1,2-b]pyridine ;	130642-57-8	C20H21BrN2	369.3	
	Desloratadine N-Hydroxy	8-Chloro-6,11-dihydro-11-(1-hydroxy-4-piperidinylidene)-5H-benzo[5,6]cyclohepta[1,2-b]pyridine;	1193725-73-3	C??H??ClN?O	326.82	
	DICLOFENAC					
	Diclofenac EP Impurity A	Diclofenac EP Impurity A ; Diclofenac USP Related Compound A ; Aceclofenac EP Impurity I ; Diclofenac Amide ; 1-(2,6-Dichlorophenyl)-1,3-dihydro-2H-indol-2-one ;	15362-40-0	C14H9Cl2NO	278.13	
	Diclofenac EP Impurity B	Diclofenac USP RC B ; 2-[(2,6-Dichlorophenyl)amino]benzaldehyde ;	22121-58-0	C13H9Cl2NO	266.12	
	Diclofenac EP Impurity C	Diclofenac USP RC C ; [2-[(2,6-Dichlorophenyl)amino]phenyl]methanol ;	27204-57-5	C13H11Cl2NO	268.14	
	Diclofenac EP Impurity E	Diclofenac USP RC E ; 1,3-Dihydro-2H-indol-2-one ;	59-48-3	C8H7NO	133.15	
	Diclofenac Methyl Ester	2-[(2,6-Dichlorophenyl)amino]benzeneacetic Acid Methyl Ester; [o-(2,6-Dichloroanilino)phenyl]acetic Acid Methyl Ester; Methyl 2-(2,6-Dichloroanilino)phenylacetate;	15307-78-5	C15H13Cl2NO2	310.18	

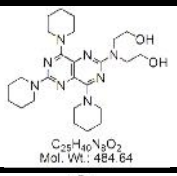
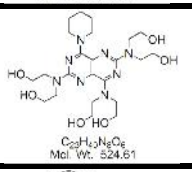
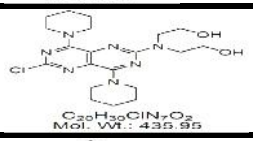
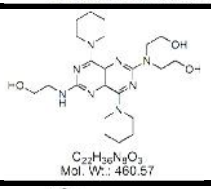
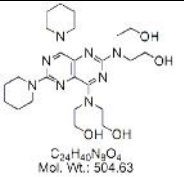
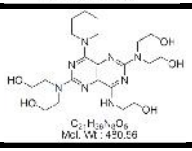
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Diclofenac Ethyl Ester	2-[(2,6-Dichlorophenyl)amino]benzeneacetic Acid Ethyl Ester; [o-(2,6-Dichloroanilino)phenyl]acetic Acid Ethyl Ester; Ethyl 2-(2,6-Dichloroanilino)phenylacetate;	15307-77-4	C16H15Cl2NO2	324.2	
	Diclofenac Potassium	Diclofenac Potassium ; Potassium [2-[(2,6-dichlorophenyl)amino]phenyl]acetate ;	15307-81-0	C14H10Cl2KNO2	334.24	
	Diclofenac Sodium	Diclofenac Sodium ; Aceclofenac EP Impurity A ; Sodium 2-[(2,6-dichlorophenyl)amino]phenyl]acetate ;	15307-79-6	C14H10Cl2NNaO2	318.13	
	Diclofenac EP Impurity F	Diclofenac USP RC F ; N-(4-Chlorophenyl)-2-(2,6-dichlorophenyl)acetamide ;	560075-65-2	C14H10Cl3NO	314.59	
	Diclofenac Isopropyl Ester	Isopropyl [2-[(2,6 dichloro phenyl amino]phenyl]acetate; propan-2-yl 2-{2-[(2,6-dichlorophenyl)amino]phenyl}acetate	66370-79-4	C17H17Cl2NO2	338.24	
	DILTIAZEM					
	Diltiazem EP Impurity F	O-Desacetyl Diltiazem HCl; (2S,3S)-5-[2-(Dimethylamino)ethyl]-2-(4-methoxyphenyl)-4-oxo-2,3,4,5-tetrahydro-1,5-benzothiazepin-3-ol HCl ;	42399-40-6	C20H24N2O3S	372.48	
	DIAVERIDINE					
	Diaveridine	2,4-Diamino-5-veratryl-pyrimidine; 2,4-Diamino-5-(3,4-dimethoxybenzyl)pyrimidine; 2,4-Diamino-5-veratrylpyrimidine; 5-[(3,4-Dimethoxyphenyl)methyl]-2,4-pyrimidinediamine; BW 49-210; Diaveridin;	5355-16-8	C13H16N4O2	260.29	

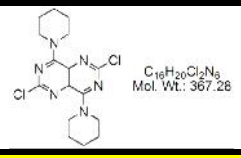
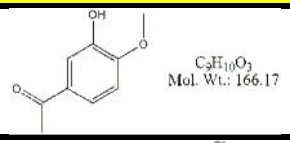
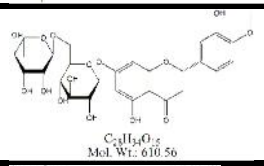
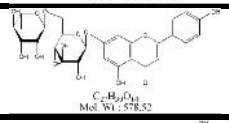
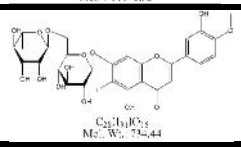
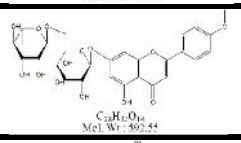
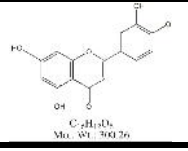
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	DIMETHINDENE					
	Dimethindene Impurity F	2-(3-butyl-1H-inden-2-yl)-N,N-dimethylethanamine	NA	C17H25N	243.39	
	Dimethindene Impurity G	Dimethyl[2-(3-phenyl-1H-inden-2-yl)ethyl]amine	NA	C19H21N	263.39	
	2-[2-(Dimethylamino)Ethyl]-1-Indanone	2-[2-(Dimethylamino)ethyl]-2,3-dihydro-1H-inden-1-one;2-(2-(dimethylamino)ethyl)-2,3-dihydro-1H-inden-1-one	3409-21-0	C13H17NO	203.28	
	N,N-Dimethyl-1H-Indene-2-Ethanamine Hydrochloride	N,N-Dimethylindene-2-ethylamine hydrochloride 2-(1H-Inden-2yl)-N,N-dimethylethanamine	92039-35-5	C13H18ClN	223.74	
	DIPHENHYDRAMINE					
	Diphenhydramine Related Compound A	Nordiphenhydramine Hydrochloride;	53499-40-4	C16H19NOClH	277.79	
	DIPYRIDAMOLE					

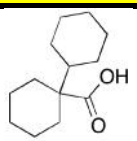
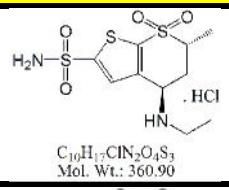
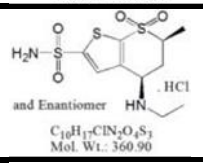
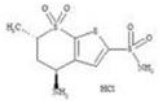
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Dipyridamole EP Impurity A	2,2?-[[4,6,8-Tri(piperidin-1-yl) pyrimido [5,4-d] pyrimidin-2-yl]nitrilo]diethanol ;	16982-40-4	C25H40N8O2	484.64	
	Dipyridamole EP Impurity B	Dipyridamole EP Impurity B ; Dipyridamole USP RC B ; 2,2',2",2"',2"",2""'-[[8-(Piperidin-1-yl)pyrimido[5,4-d]pyrimidine-2,4,6-triyl]trinitrilo]hexaethanol ;	16908-47-7	C23H40N8O6	524.61	
	Dipyridamole EP Impurity C	Dipyridamole USP RC C ; 2,2?-[[2-Chloro-4,8-di(piperidin-1-yl)pyrimido[5,4-d]pyrimidin-6-yl]nitrilo]diethanol ;	54093-92-4	C20H30ClN7O2	435.95	
	Dipyridamole EP Impurity D	Dipyridamole USP RC D ; 2,2-[[2-(2-Hydroxyethyl)amino-4,8-di(piperidin-1-yl)pyrimido[5,4-d]pyrimidin-6-yl]nitrilo]diethanol ;	1176886-12-6	C24H40N8O4	504.63	
	Dipyridamole EP Impurity E	Dipyridamole EP Impurity E ; Dipyridamole USP RC E ; 2,4-Di[di(2-hydroxyethyl)amino]-6,8-di(piperidin-1-yl)-pyrimido[5,4-d]pyrimidine ;	NA	C24H40N8O4	504.63	
	Dipyridamole EP Impurity F	Dipyridamole USP RC F ; 2,6-Di[di(2-hydroxyethyl)amino]-4-(2-hydroxyethyl)amino-8-(piperidin-1-yl)-pyrimido[5,4-d]pyrimidine ;	60286-30-8	C21H36N8O5	480.56	

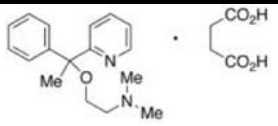
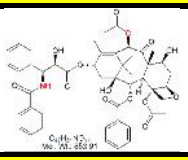
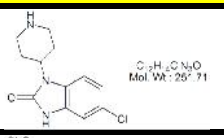
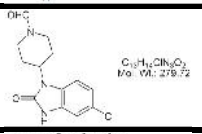
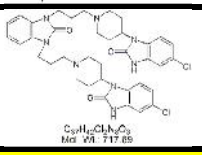
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Dipyridamole EP Impurity G	Dipyridamole EP Impurity G ; 2,6-Dichloro-4,8-di(piperidin-1-yl)-pyrimido[5,4-d]pyrimidine ;	7139-02-8	C16H20Cl2N6	367.28	
	DIOSMIN					
	Diosmin EP Impurity A	1-(3-Hydroxy-4-methoxyphenyl)ethanone ;	6100-74-9	C9H10O3	166.17	
	Diosmin EP Impurity B	(2S)-7-[[6-O-(6-Deoxy-?-L-mannopyranosyl)-?-D-glucopyranosyl]oxy]-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-2,3-dihydro-4H-1-benzopyran-4-one ;	520-26-3	C28H34O15	610.56	
	Diosmin EP Impurity C	7-[[6-O-(6-Deoxy-?-L-mannopyranosyl)-?-D-glucopyranosyl]oxy]-5-hydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one ;	552-57-8	C27H30O14	578.52	
	Diosmin EP Impurity D	7-[[6-O-(6-Deoxy-?-L-mannopyranosyl)-?-D-glucopyranosyl]oxy]-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-6-iodo-4H-1-benzopyran-4-one ;	1431536-92-3	C28H31IO15	734.44	
	Diosmin EP Impurity E	7-[[6-O-(6-Deoxy-?-L-mannopyranosyl)-?-D-glucopyranosyl]oxy]-5-hydroxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one ;	480-36-4	C28H32O14	592.55	
	Diosmin EP Impurity F	5,7-Dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-4H-1-benzopyran-4-one ;	520-34-3	C16H12O6	300.26	

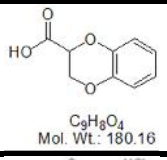
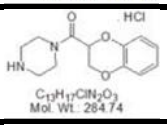
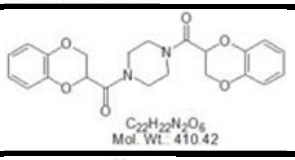
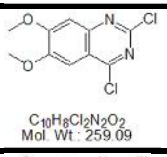
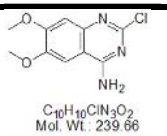
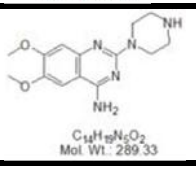
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	DIAZEPAM					
	Diazepam EP Impurity C	3-Amino-6-chloro-1-methyl-4-phenyl-2(1H)-quinolone; USP Diazepam Related Compound B	5220-02-0	C16H13ClN2O	287.47	
	DICYCLOMINE					
	Dicyclomine Impurity A	[1,1&#65533;-Bicyclohexyl]-1-carboxylic Acid;	60263-54-9	C13H22O2	210.31	
	DORZOLAMIDE					
	Dorzolamide EP Impurity A	Dorzolamide EP Impurity A ; Dorzolamide USP RC A ; ent-Dorzolamide HCl ; (4R,6R)-4-(Ethylamino)-6-methyl-5,6-dihydro-4H-thieno[2, 3-b]thiopyran-2-sulfonamide 7,7-dioxide HCl ;	120279-95-0	C10H17ClN2O4S3	360.90	
	Dorzolamide EP Impurity B	Dorzolamide EP Impurity B ; rac-cis Dorzolamide HCl ; (4RS,6SR)-4-(Ethylamino)-6-methyl-5,6-dihydro-4H-thieno[2, 3-b]thiopyran-2-sulfonamide 7,7-dioxide HCl ;	120279-37-0	C10H17ClN2O4S3	360.90	
	Dorzolamide Related Compound D	(4S-trans)-4-Amino-5,6-dihydro-6-methyl-4H-thieno[2,3-b]thiopyran-2-sulfonamide 7,7-Dioxide; USP Dorzolamide Related Compound D; Dorzolamide EP Impurity D	164455-27-0	C8H12N2O4S3	332.8478	
	DOXYLAMINE					

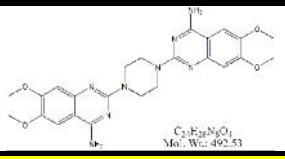
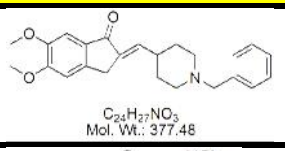
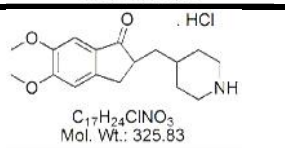
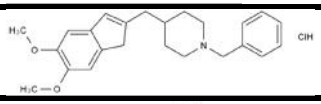
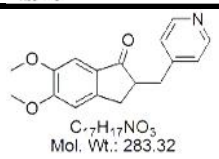
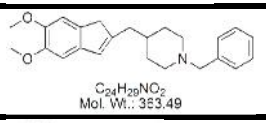
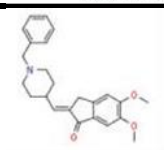
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Doxylamine Succinate	N,N-Dimethyl-2-[1-phenyl-1-(2-pyridinyl)ethoxy]ethanamine Succinate Salt; 2-[?-(2-Dimethylaminoethoxy)-?-methylbenzyl]pyridine Succinate; Alsodorm; Decamium; Decapryn Succinate; Gittalun; Hoggar N; Meraprina; Mereprine; NSC 74772; Sedaplus; Unisom;	562-10-7	C21H28N2O5	388.46	
	DOCETAXEL					
	Docetaxel EP Impurity F	5?,20-Epoxy-1,7?-dihydroxy-9-oxotax-11-ene-2?,4,10?,13?-tetrayl 4,10-diacetate 2-benzoate 13-[(2R,3S)-3-(benzoylamino)-2-hydroxy-3-phenyl propanoate] ;	33069-62-4	C47H51NO14	853.91	
	DOMPERIDONE					
	Domperidone EP Impurity A	5-Chloro-1-(piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one ;	53786-28-0	C12H14ClN3O	251.71	
	Domperidone EP Impurity B	4-(5-Chloro-2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)-1-formylpiperidine ;	1346598-11-5	C13H14ClN3O2	279.72	
	Domperidone EP Impurity F	1,3-bis[3-[4-(5-Chloro-2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)piperidin-1-yl]propyl]-1,3-dihydro-2H-benzimidazol-2-one ;	1391053-55-6	C37H42Cl2N8O3	717.69	
	DOXAZOSIN					

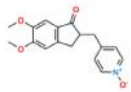
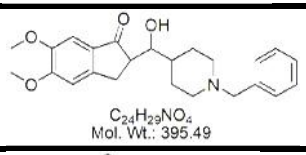
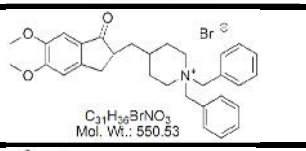
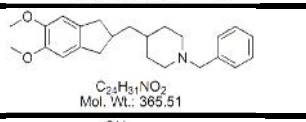
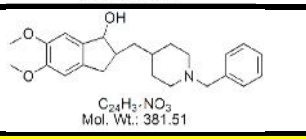
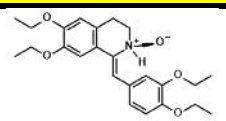
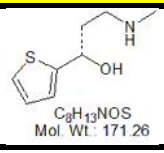
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Doxazosin EP Impurity A	Doxazosin EP Impurity A ; Doxazosin USP Related Compound D ; 1,4-Benzodioxan-2-carboxylic acid ;	3663-80-7	C9H8O4	180.16	
	Doxazosin EP Impurity B	Doxazosin EP Impurity B ; Doxazosin USP Related Compound A ; N-(1,4-Benzodioxane-2-carbonyl)piperazine hydrochloride ;	70918-74-0	C13H16N2O3	248.28	
	Doxazosin EP Impurity C	Doxazosin EP Impurity C ; Doxazosin USP Related Compound F ; N,N'-bis(1,4-Benzodioxane-2-carbonyl)piperazine ;	617677-53-9	C22H22N2O6	410.42	
	Doxazosin EP Impurity D	Doxazosin EP Impurity D ; Doxazosin USP Related Compound B ; 6,7-Dimethoxy-2,4-quinazolinedione ;	28888-44-0	C10H10N2O4	222.2	
	Doxazosin EP Impurity E	Doxazosin EP Impurity E ; Doxazosin USP Related Compound E ; 2,4-Dichloro-6,7-dimethoxyquinazoline ;	27631-29-4	C10H8Cl2N2O2	259.09	
	Doxazosin EP Impurity F	Doxazosin EP Impurity F ; Doxazosin USP Related Compound C ; 4-Amino-2-chloro-6,7-dimethoxyquinazoline ;	23680-84-4	C10H10ClN3O2	239.66	
	Doxazosin EP Impurity G	6,7-Dimethoxy-2-(piperazin-1-yl)quinazolin-4-amine ;	60547-97-9	C14H19N5O2	289.33	

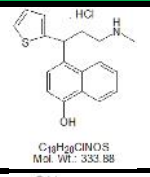
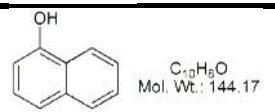
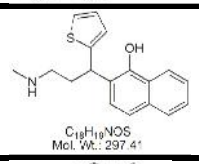
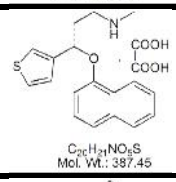
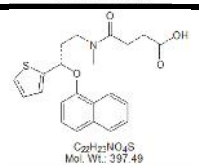
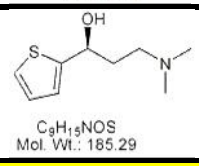
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Doxazosin EP Impurity H	2,2?-(Piperazine-1,4-diyl)bis(6,7-dimethoxyquinazolin-4-amine)	102839-00-9	C24H28N8O4	492.53	
	DONEPEZIL					
	Donepezil USP RC A	Donepezil Dehydro Impurity ; (E)-Dehydro Donepezil ; (E)-2-[(1-Benzylpiperidin-4-yl)methylene]-5,6-dimethoxyindan-1-one ;	145546-80-1	C24H27NO3	377.48	
	Donepezil Impurity A	Donepezil Desbenzyl Impurity ; Desbenzyl Donepezil Hydrochloride (USP) ; 5,6-Dimethoxy-2-(piperidin-4-ylmethyl) indan-1-one hydrochloride ;	120013-39-0	C17H24ClNO3	325.83	
	Donepezil Impurity B	NA	NA	C24H30ClNO2	399.95	
	Donepezil Pyridine Analog (USP)	5,6-Dimethoxy-2-(pyridin-4-ylmethyl)indan-1-one ;	4803-57-0	C17H17NO3	283.32	
	Donepezil Dehydro Deoxy Impurity	1-Benzyl-4-[(5,6-dimethoxyinden-2-yl)methyl] piperidine ;	120013-45-8	C24H29NO2	363.49	
	Donepezil impurity 1	1-Benzyl-4-[(5,6-dimethoxy-1-oxoindan-2-ylidene)methyl]piperidine; 1-Benzyl-4-[(5,6-dimethoxy-1-oxoindan-2-ylidene)methyl]piperidine (Donepezil Impurity);	120014-07-5	C24H27NO3	377.48	

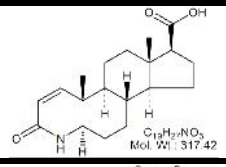
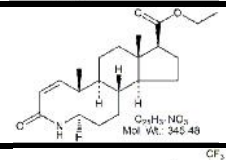
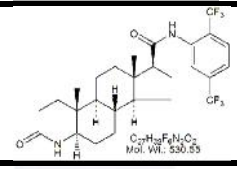
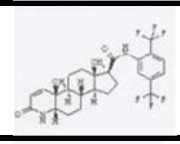
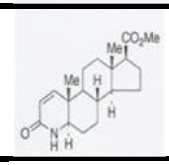
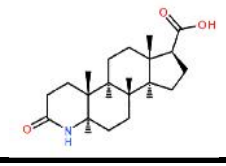
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Donepezil Pyridine N-Oxide	5,6-Dimethoxy-2-(1-oxido-pyridin-4-ylmethyl)indan-1-one ; 4-((5,6-dimethoxy-1-oxo-2,3-dihydro-1H-inden-2-yl)methyl)pyridine 1-oxide.	896134-07-9	C17H17NO4	299.32	
	Donepezil Hydroxy Impurity	Hydroxy Donepezil (USP) ; 2-[(1-Benzylpiperidin-4-yl)(hydroxy)methyl]-5,6-dimethoxyindan-1-one ;Donepezil Hydroxy Keto Impurity.	197010-20-1	C24H29NO4	395.49	
	Donepezil Benzyl Bromide	1,1-Dibenzyl-4-[(5,6-dimethoxy-1-oxoindan-2-yl) methyl]piperidinium bromide ;	844694-85-5	C31H36BrNO3	550.53	
	Donepezil Deoxy Impurity	1-Benzyl-4-[(5,6-dimethoxyindan-2-yl)methyl] piperidine ;	844694-84-4	C24H31NO2	365.51	
	Donepezil Dihydro Impurity	2,3-Dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-ol ;	120012-04-6	C24H31NO3	381.51	
	DROTAVERINE					
	Drotaverine N-Oxide	NA	NA	C24H31NO5	413.51	
	DULOXETINE					
	Duloxetine EP Impurity B	(1S)-3-(Methylamino)-1-(thiophen-2-yl)propan-1-ol ;	116539-55-0	C8H13NOS	171.26	

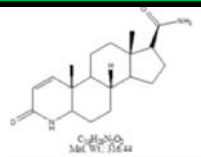
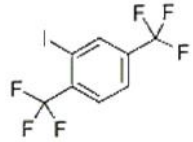
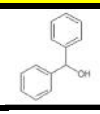
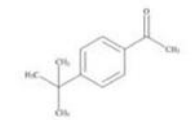
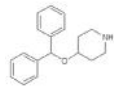
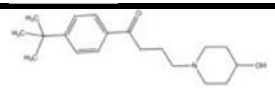
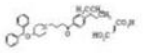
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Duloxetine EP Impurity C	4-[(1RS)-3-(Methylamino)-1-(thiophen-2-yl)propyl]naphthalen-1-ol HCl ;	949096-01-9	C18H19NOS	297.41	
	Duloxetine EP Impurity D	Naphthalen-1-ol ;	90-15-3	C10H8O	144.17	
	Duloxetine EP Impurity E	2-[(1RS)-3-(Methylamino)-1-(thiophen-2-yl)propyl]naphthalen-1-ol ;	1033803-59-6	C18H19NOS	297.41	
	Duloxetine EP Impurity F	Duloxetine USP RC F ; Duloxetine 3-Thiophene Isomer ; (3S)-N-Methyl-3-(naphthalen-1-yloxy)-3-(thiophen-3-yl)propan-1-amine oxalate ;	104890-90-5	C20H21NO5S	387.45	
	Duloxetine USP RC H	(S)-4-(Methyl[3-(naphthalen-1-yloxy)-3-(thiophen-2-yl)propyl]amino)-4-oxobutanoic acid ;	199191-66-7	C22H23NO4S	397.49	
	Duloxetine Hydroxy Impurity	(S)-(-)-N,N-Dimethyl-3-hydroxy-3-(2-thienyl) propanamine ;	132335-44-5	C9H15NOS	185.29	
	DUTASTERIDE					

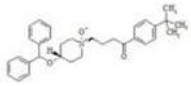
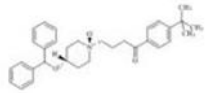
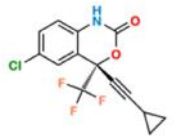
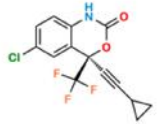
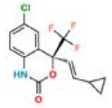
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Dutasteride EP Impurity A	Finasteride Carboxylic Acid ; Dutasteride Carboxylic Acid ; 3-Oxo-4-aza-5?-androst-1-ene-17?-carboxylic acid ;	104239-97-6	C19H27NO3	317.42	
	Dutasteride EP Impurity C	Ethyl 3-oxo-4-aza-5?-androst-1-ene-17?-carboxylate ;	157307-36-3	C21H31NO3	345.48	
	Dutasteride Dihydro Impurity	(5?,17?)-N-[2,5-Bis (trifluoromethyl)phenyl]-3-oxo-4-azaandrostane-17-carboxamide ;	164656-22-8	C27H32F6N2O2	530.55	
	Dutasteride Beta Isomer	17?-N-[2,5-bis (Trifluoromethyl)phenyl] Carbamoyl-4-aza-5? -androst-1-en-3-one	NA	C27H30F6N2O2	528.53	
	Dutasteride Ester Impurity	3-Oxo-4-aza-5?-?ndrost-1-ene-17?-carboxylic Acid Methyl Ester	NA	C20H29NO3	331.45	
	Dutasteride Impurity 1	4-Aza-5alpha-androstan-3-one-17beta-carboxylic acid.	103335-55-3	C19H29NO3	319.44	

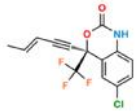
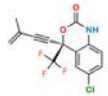
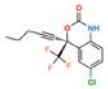
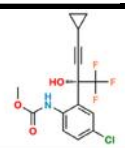
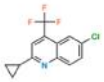
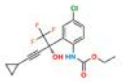
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Dutasteride Impurity 2	(4aR,6aS,7R,9bS)-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-4a,6a-dimethyl-2-oxo-1H-indeno[5,4-f]quinoline-7-carboxamide	NA	C19H28N2O2	316.44	
	Dutasteride Impurity 3	1,4-Bis(trifluoromethyl)-2-iodobenzene;alpha,alpha,alpha,alpha',alpha',alpha'-Hexafluoro-2-iodo-p-xylene.	328-92-7	C8H3F6I	340	
	EBASTINE					
	Ebastine Impurity A	NA	90-01-0	C13H12O	184.2	
	Ebastine Impurity B	1-[4-(1,1-Dimethylethyl)phenyl]ethanone;4-tert-Butylacetophenone.	943-27-1	C12H16O	176.25	
	Ebastine Impurity C	4-(diphenylmethoxy)piperidine	58258-01-8	C18H21NO	267.36	
	Ebastine Impurity D	1-[4-(1,1-Dimethylethyl)phenyl]-4-(4-hydroxypiperidin-1-yl)butan-1-one, 1-[3-(4-tert-Butylbenzoyl)propyl]-4-hydroxypiperidine.	97928-18-2	C19H29NO2	303.44	
	Ebastine Impurity E	Ebastine Related Compound E; (1-[4-(1,1-Dimethylpropyl)phenyl]-4-[4-(diphenylmethoxy)piperidin-1-yl]-butan-1-one fumarate).	NA	C37H45NO6	599.77	

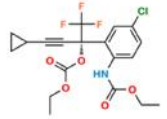
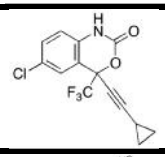
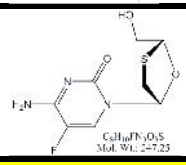
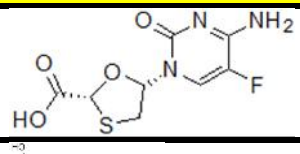
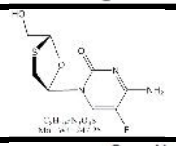
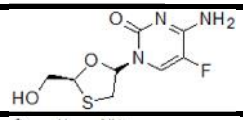
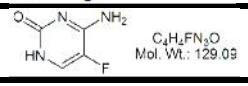
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ebastine Impurity F	4-(benzhydryloxy)-1-(4-(4-(tert-butyl)phenyl)-4-oxobutyl)piperidine 1-oxide.	1256285-71-8	C32H39NO3	485.65	
	Ebastine Impurity G	1-[4-(1,1-dimethylethyl)phenyl]-4-[trans-4-(diphenylmethoxy)-1-oxidopiperidin-1-yl]butan-1-one;Ebastine EP Impurity G; USP Ebastine Related Compound G	1429071-65-7	C32H39NO3	485.67	
	EFAVIRENZ					
	Efavirenz	NA	154598-52-4	C14H9ClF3NO2	315.7	
	Efavirenz Enantiomer	(R)-6-Chloro-4-(cyclopropylethynyl)-1,4-dihydro-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one	NA	C14H9ClF3NO2	315.7	
	Efavirenz Aminoalcohol	Efavirenz USP RC A ; Efavirenz Amino Alcohol (USP) ; (S)-2-(2-Amino-5-chlorophenyl)-4-cyclopropyl-1,1,1-trifluorobut-3-yn-2-ol ;	NA	C13H11ClF3NO	289.7	
	Efavirenz Ethene Analog	Efavirenz USP RC B Efavirenz Ethene Analog (USP) ; (E)-Dihydro Efavirenz ; (S,E)-6-Chloro-4-(2-cyclopropylvinyl)-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one ;	440124-96-9	C14H11ClF3NO2	317.7	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Efavirenz Pent-3-Ene-1-Yne (Trans)	(Trans)-6-Chloro-4-(cyclopropylethynyl)-1,4-dihydro-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one	NA	C14H9ClF3NO2	315.7	
	Efavirenz Penteneyne	NA	NA	C14H9ClF3NO2	315.7	
	Efavirenz Pentyne Analog	NA	205755-86-8	C14H11ClF3NO2	317.7	
	Methylefavirenz	NA	1217623-65-8	C15H11ClF3NO2	329.7	
	Aminoalcohol Methyl Carbamate	NA	211563-40-5	C15H13ClF3NO3	347.7	
	N-Benzylefavirenz	NA	NA	C22H17ClF3NO3	435.8	
	Quinoline Analog	Efavirenz USP RC C ; Efavirenz Quinoline Analog (USP) ; 6-Chloro-2-cyclopropyl-4-(trifluoromethyl)quinoline ;	391860-73-4	C13H9ClF3N	271.7	
	Aminoalcohol Ethyl Carbamate	NA	211563-41-6	C16H15ClF3NO3	361.7	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Aminoalcohol Bis(Ethoxycarbonyl)	NA	NA	C19H19ClF3NO5	433.8	
	Rac Efavirenz	6-Chloro-4-(cyclopropylethynyl)-1,4-dihydro-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one;	177530-93-7	C14H9ClF3NO2	315.67	
	Emtricitabine	Emtricitabine ; 4-Amino-5-fluoro-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2-(1H)-pyrimidone ;	143491-57-0	C8H10FN3O3S	247.25	
	EMTRICITABINE					
	Emtricitabine IP Impurity A	Emtricitabine Carboxylic Acid ;(2R,5S)-5-(4-amino-5-fluoro-2-oxopyrimidin-1(2H)-yl)-1,3-oxathiolane-2-carboxylic acid	1238210-10-0	C8H8FN3O4S	261.23	
	Emtricitabine IP Impurity B	Emtricitabine 5-Epimer ; 4-Amino-5-fluoro-1-[(2R,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2-(1H)-pyrimidone ;	145986-26-1	C8H10FN3O3S	247.25	
	Emtricitabine IP Impurity D	Emtricitabine Enantiomer ;4-amino-5-fluoro-1-((2S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	137530-41-7	C8H10FN3O3S	247.25	
	Emtricitabine IP Impurity E	5-Fluoro Cytosine ; 4-Amino-5-fluoropyrimidin-2(1H)-one ;	2022-85-7	C4H4FN3O	129.09	

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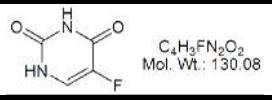
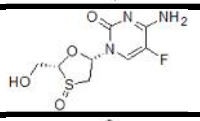
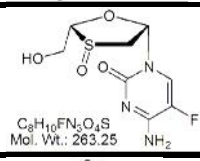
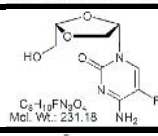
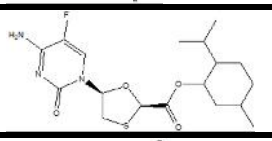
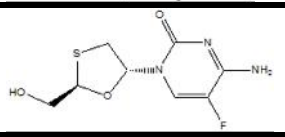
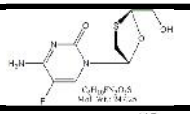
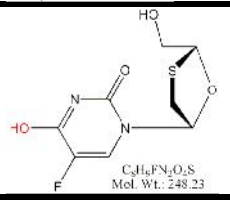
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Emtricitabine IP Impurity F	5-Fluoro Uracil ; 5-Fluoropyrimidin-2,4(1H,3H)-dione ;	51-21-8	C4H3FN2O2	130.08	
	Emtricitabine IP Impurity G	Emtricitabine S-Oxide (S)-Isomer ;4-amino-5-fluoro-1-((2R,5S)-2-(hydroxymethyl)-3-oxido-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	152128-77-3	C8H10FN3O4S	263.25	
	Emtricitabine IP Impurity H	Emtricitabine S-Oxide (R)-Isomer ; 4-Amino-5-fluoro-1-[(2R,3R,5S)-2-(hydroxymethyl)-3-oxo-1,3-oxa-?4-thiolan-5-yl]pyrimidin-2(1H)-one ;	152128-77-3	C8H10FN3O4S	263.25	
	Emtricitabine IP Impurity J	4-Amino-5-fluoro-1-[(2S,4S)-2-(hydroxymethyl)-1,3-dioxolan-4-yl]pyrimidin-2(1H)-one ;	NA	C8H10FN3O4	231.18	
	Emtricitabine Methyl Ester Impurity	L-Menthyl 5-(2R,5S)-[4-amino-5-fluoro-2-oxopyrimidin-1(2H)-yl]-1,3-oxathiolane-2-carboxylate.	NA	C18H26FN3O4S	399.48	
	Emtricitabine Diastereomer	4-amino-5-fluoro-1-[(2R,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidin-2(1H)-one	NA	C8H10FN3O3S	247.25	
	Emtricitabine 2-Epimer	Emtricitabine 2-Epimer ; 4-Amino-5-fluoro-1-[(2S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2-(1H)-pyrimidone ;	145416-34-8	C8H10FN3O3S	247.25	
	Emtricitabine 5-Fluorouracil Analog (USP)	Emtricitabine 4-Hydroxy Analog ; Emtricitabine 2,4-Dione Impurity ; 5-Fluoro-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolane-5-yl]uracil ; cis-5-Fluoro-1-[2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2,4(1H,3H)-pyrimidinedione ;	145986-11-4	C8H9FN2O4S	248.23	

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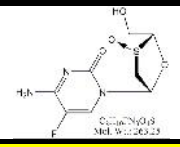
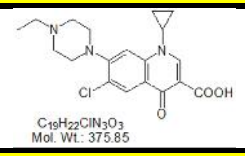
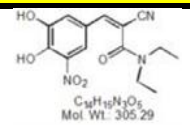
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Emtricitabine Sulfoxide	Emtricitabine Sulfoxide ; 4-Amino-5-fluoro-1-[(2R,5S)-2-(hydroxymethyl)-3-oxido-1,3-oxathiolan-5-yl]-2-(1H)-pyrimidone ;	152128-77-3	C8H10FN3O4S	263.35	
	ENROFLOXACIN					
	Enrofloxacin EP Impurity E	6-Chloro-1-cyclopropyl-7-(4-ethylpiperazin-1-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid ;	NA	C19H22ClN3O3	375.85	
	ENTACAPONE					
	Entacapone EP Impurity A	(2Z)-2-Cyano-3-(3,4-dihydroxy-5-nitrophenyl)-N,N-diethyl-2-propenamide ;	145195-63-7	C14H15N3O5	305.29	
	ENZALUTAMIDE					
	Enzalutamide EP Impurity A	4-Bromo-2-fluorobenzoic Acid ;	112704-79-7	C7H4BrFO2	219.01	
	Enzalutamide EP Impurity B	4-Bromo-2-fluoro-N-methylbenzamide ;	749927-69-3	C8H7BrFNO	232.05	
	Enzalutamide EP Impurity C	4-Bromo-2-fluorobenzoic Acid Methyl Ester ;	179232-29-2	C8H6BrFO2	233.03	
	ENALAPRIL					

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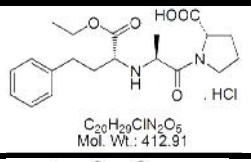
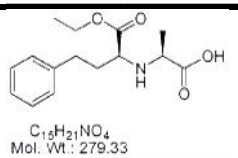
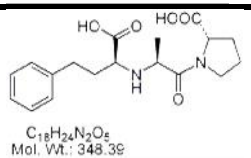
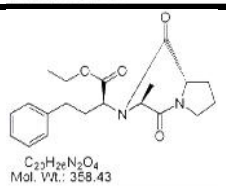
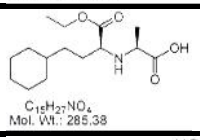
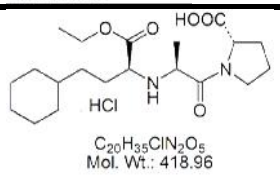
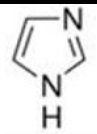
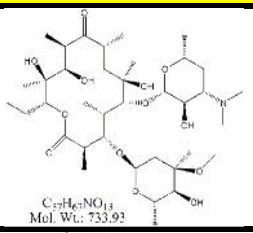
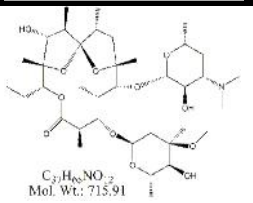
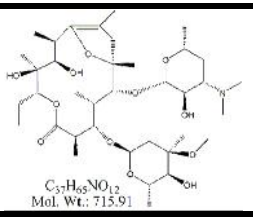
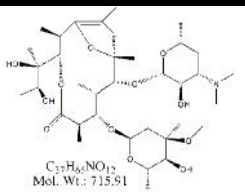
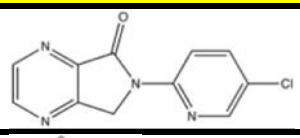
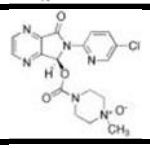
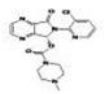
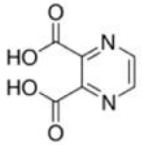
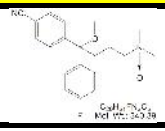
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Enalapril Impurity A	(2S)-1-[(2S)-2-[[(1R)-1-(Ethoxycarbonyl)-3- phenylpropyl] amino] propanoyl] pyrrolidine-2-carboxylic acid HCl salt ;	1356932-13-2	C20H29ClN2O5	412.91	
	Enalapril EP Impurity B	Enalapril EP Impurity B ; Trandolapril ECPPA Impurity ; Ramipril EP Impurity F ; (2S)-2-[[(1S)-1-(Ethoxycarbonyl)-3-phenylpropyl]amino] propanoic acid ;	82717-96-2	C15H21NO4	279.33	
	Enalapril EP Impurity C	Enalapril EP Impurity C ; Enalaprilate ; Enalapril Diacid ; Enalaprilat Dihydrate ; (2S)-1-[(2S)-2-[[(1S)-1-Carboxy-3-phenylpropyl]amino]propanoyl]pyrrolidine-2-carboxylic acid ;	84680-54-6	C18H24N2O5	348.39	
	Enalapril EP Impurity D	Ethyl (2S)-2-[(3S,8aS)-3-methyl-1,4-dioxooctahydropyrrolo [1,2-a]pyrazin-2-yl]-4-phenylbutanoate ;	115729-52-7	C20H26N2O4	358.43	
	Enalapril EP Impurity G	(2S)-2-[[(1S)-3-Cyclohexyl-1-(ethoxycarbonyl)propyl]amino] propanoic acid ;	460720-14-3	C15H27NO4	285.38	
	Enalapril EP Impurity H	Enalapril EP Impurity H ; Enalapril HCl Hexahydro Analog ; Enalapril HCl Cyclohexyl Analog ; (2S)-1-[(2S)-2-[[(1S)-3-Cyclohexyl-1-(ethoxycarbonyl)propyl] amino]propanoyl]pyrrolidine-2-carboxylic acid HCl ;	NA	C20H34N2O5	382.49	

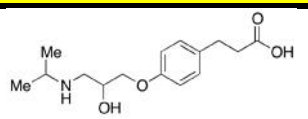
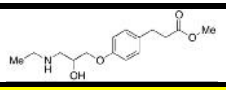
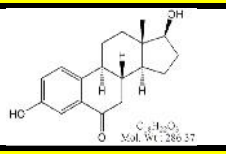
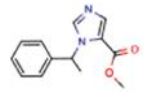
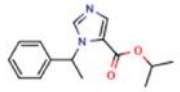
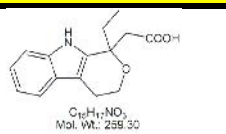
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Enalapril Impurity I	1,3-Diaza-2,4-cyclopentadiene, Glyoxaline	288-32-4	C3H4N2	68.08	
	ERYTHROMYCIN					
	Erythromycin	Erythromycin A ; (3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-4-[(2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo-hexopyranosyl)oxy]-14-ethyl-7,12,13-trihydroxy-3,5,7,9,11,13-hexamethyl-6-[(3,4,6-trideoxy-3-dimethylamino-?-D-xylo-hexopyranosyl)-oxy]oxacyclotetradecane-2,10-dione ;	114-07-8	C37H67NO13	733.93	
	Erythromycin EP Impurity D	Anhydroerythromycin A ; (1S,2R,3R,4S,5R,8R,9S,10S,11R,12R,14R)-9-[(2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo-hexopyranosyl)oxy]-5-ethyl-3-hydroxy-2,4,8,10,12,14-hexamethyl-11-[[3,4,6-trideoxy-3-(dimethylamino)-?-D-xylo-hexopyranosyl]oxy]-6,15,16-trioxatricyclo[10.2.1.11,4]hexadecan-7-one ;	23893-13-2	C37H65NO12	715.91	
	Erythromycin EP Impurity E	Erythromycin A Enol Ether ; (2R,3R,4S,5R,8R,9S,10S,11R,12R)-9-[(2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo-hexopyranosyl)oxy]-5-ethyl-3,4-dihydroxy-2,4,8,10,12,14-hexamethyl-11-[[3,4,6-trideoxy-3-(dimethylamino)-?-D-xylohexopyranosyl]oxy]-6,15-dioxabicyclo[10.2.1]pentadec-1(14)-en-7-one ;	33396-29-1	C37H65NO12	715.91	

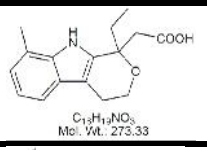
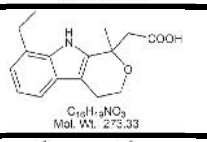
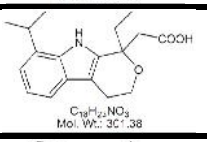
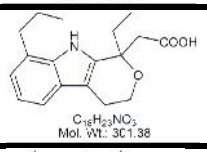
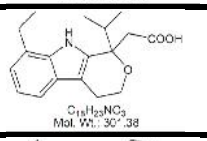
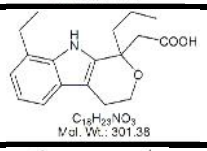
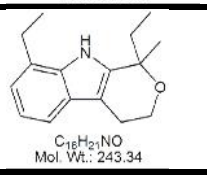
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Erythromycin EP Impurity F	Pseudoerythromycin A Enol Ether ; (2R,3R,6R,7S,8S,9R,10R)-7-[(2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo-hexopyranosyl)oxy]-3-[(1R,2R)-1,2-dihydroxy-1-methylbutyl]-2,6,8,10,12-pentamethyl-9-[[3,4,6-trideoxy-3-(dimethylamino)-?-D-xylohexopyranosyl]oxy]-4,13-dioxabicyclo[8.2.1]tridec-1(12)-en-5-one ;	105882-69-7	C37H65NO12	715.91	
	ESZOPICLONE					
	Eszopiclone Impurity C	6-(5-Chloro-2-pyridinyl)-6,7-dihydro-5H-pyrrolo[3,4-b]pyrazin-5-one;Zopiclone EP Impurity C;	148891-53-6	C11H7ClN4O	246.66	
	Eszopiclone N-Oxide Impurity	(S)-(+)-Zopiclone N-Oxide;	151851-70-6	C17H17ClN6O4	404.81	
	Eszopiclone R-Isomer	(R)-6-(3-chloropyridin-2-yl)-6,7-dihydro-5-oxo-5H-pyrrolo[3,4-b]pyrazin-7-yl 4-methylpiperazine-1-carboxylate	NA	NA	NA	
	Eszopiclone 2,3-Pyrazine Dicarboxylic Acid	2,3-Pyrazine dicarboxylic acid	NA	NA	NA	
	ESCITALOPRAM					
	EsCitalopram EP Impurity H	1-(3-Dimethylaminopropyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzo furan-5-carbonitrile-N-oxide ;	63284-72-0	C20H21FN2O2	340.39	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	ESMOLOL					
	Esmolol Acid	3-(4-(2-Hydroxy-3-(isopropylamino)propoxy)phenyl)propionic Acid; ASL 8123; 4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-benzenepropanoic Acid.	81148-15-4	C15H23NO4	281.35	
	N-Ethyl Esmolol	Methyl 3-(4-(3-(ethylamino)-2-hydroxypropoxy)phenyl)propanoate.	NA	C15H23NO4	281.35	
	ESTRADIOL					
	Estradiol USP RC C	3,17?-Dihydroxyestra-1,3,5(10)-trien-6-one ;	571-92-6	C18H22O3	286.37	
	ETOMIDATE					
	Etomidate EP Impurity B	Etomidate EP Impurity B;1-(1-Phenylethyl)-1H-imidazoleMethyl Ester;Metomidate;methyl 1-[(1RS)-1-phenylethyl]-1H-imidazole-5-carboxylate;	5377-20-8	C13H14N2O2	230.26	
	Etomidate EP Impurity C	1-methylethyl 1-[(1RS)-1-phenylethyl]-1H-imidazole-5-carboxylate;Isopropyl 1-(1-phenylethyl)-1H-imidazole-5-carboxylate.	792842-51-4	C15H18N2O2	258.32	
	ETODOLAC					
	Etodolac EP Impurity A	8-Desethyl Etodolac ; 2-[(1RS)-1-Ethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	41339-67-7	C15H17NO3	259.30	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Etodolac EP Impurity B	8-Methyl Etodolac ; 2-[(1RS)-1-Ethyl-8-methyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	41340-19-6	C16H19NO3	273.33	
	Etodolac EP Impurity C	Etodolac USP RC A ; 1-Methyl Etodolac ; 2-[(1RS)-8-Ethyl-1-methyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	109518-50-5	C16H19NO3	273.33	
	Etodolac EP Impurity D	8-Isopropyl Etodolac ; 2-[(1RS)-1-Ethyl-8-(1-methylethyl)-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	57917-63-2	C18H23NO3	301.38	
	Etodolac EP Impurity E	8-Propyl Etodolac ; 2-[(1RS)-1-Ethyl-8-propyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	57817-27-3	C18H23NO3	301.38	
	Etodolac EP Impurity F	1-Isopropyl Etodolac ; 2-[(1RS)-8-Ethyl-1-(1-methylethyl)-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	849630-65-5	C18H23NO3	301.38	
	Etodolac EP Impurity G	1-Propyl Etodolac ; 2-[(1RS)-8-Ethyl-1-propyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	57816-83-8	C18H23NO3	301.38	
	Etodolac EP Impurity J	Decarboxy Etodolac ; (1RS)-1,8-Diethyl-1-methyl-1,3,4,9-tetrahydropyrano[3,4-b]indole ;	115066-03-0	C16H21NO	243.34	

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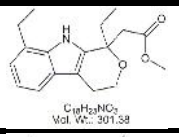
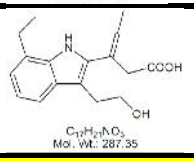
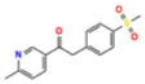
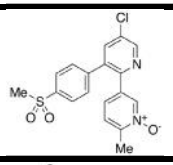
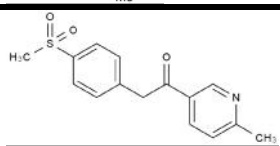
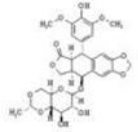
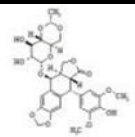
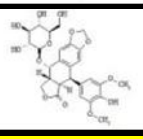
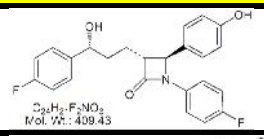
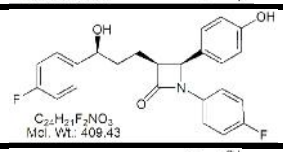
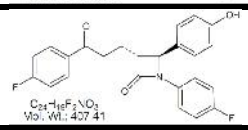
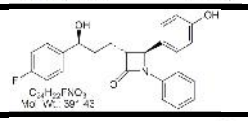
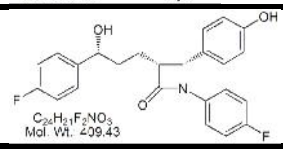
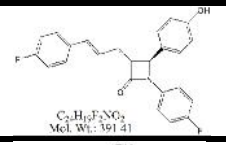
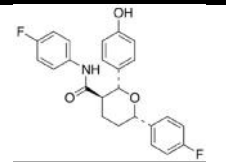
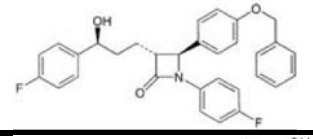
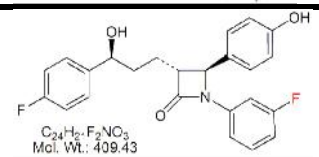
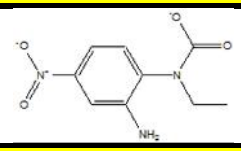
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Etodolac EP Impurity K	Etodolac Methyl Ester ; Methyl 2-[(1RS)-1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetate ;	122188-02-7	C18H23NO3	301.38	
	Etodolac EP Impurity L	(EZ)-3-[7-Ethyl-3-(2-hydroxyethyl)-1H-indol-2-yl]pent-3-enoic acid ;	NA	C17H21NO3	287.35	
	ETORICOXIB					
	Etoricoxib Impurity D	Ketosulfone Impurity;1-(6-methylpyridin-3-yl)-2-(4-(methylsulfonyl)phenyl)ethan-1-one	221615-75-4	C15H15NO3S	289.35	
	Etoricoxib N1	5-Chloro-6'-methyl-3-[4-(methylsulfonyl)phenyl]-2,3'-bipyridine 1'-Oxide;	325855-74-1	C18H15ClN2O3S	374.84	
	Etoricoxib Impurity F	2-(4-Methanesulfonyl-phenyl)-1-(6-methyl-pyridin-3-yl)-ethanone;1-(6-Methylpyridin-3-yl)-2-[4-(methylsulfonyl)phenyl]ethanone;	221615-75-4	C15H15NO3S	289.35	
	ETOPOSIDE					
	Etoposide Impurity B	NA	100007-56-5	C29H32O13	588.57	

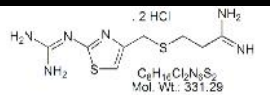
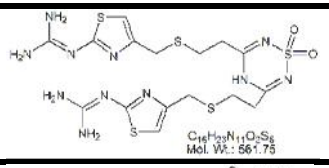
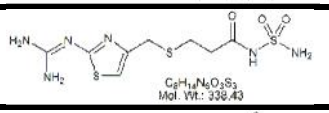
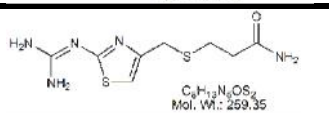
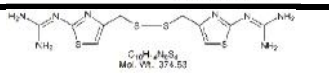
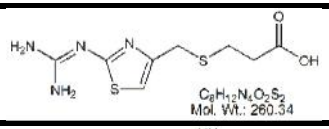
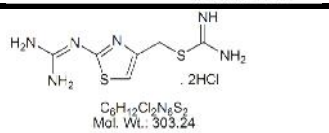
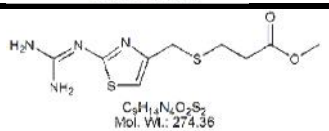
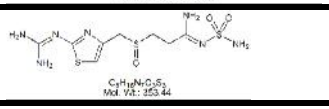
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Etoposide Impurity C	NA	100007-53-2	C29H32O13	588.57	
	Etoposide Impurity D	NA	23363-35-1	C27H30O13	562.53	
	EZETIMIBE					
	Ezetimibe (RRS)-Isomer	(3R,4S)-1-(4-Fluorophenyl)-3-[(3R)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)azetidin-2-one ;	163380-16-3	C24H21F2NO3	409.43	
	Ezetimibe (SSS)-Isomer	(3S,4S)-1-(4-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)azetidin-2-one ;		C24H21F2NO3	409.43	
	Ezetimibe Ketone (USP)	(3R,4S)-1-(4-Fluorophenyl)-3-[3-(4-fluorophenyl)-3-oxopropyl]-4-(4-hydroxy phenyl)-2-azetidinone ;	191330-56-0	C24H19F2NO3	407.41	
	Ezetimibe Desfluoroaniline Analog (USP)	(3R,4S)-1-Phenyl-3-[(3S)-3-(4-fluorophenyl) -3-hydroxypropyl]-4-(4-hydroxyphenyl)-2-azetidinone ;	302781-98-2	C24H22FNO3	391.43	
	Ezetimibe (RRR)-Isomer	Ezetimibe (3'R, 3R, 4R)-Isomer ; (3R,4R)-1-(4-Fluorophenyl)-3-[(3R)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)azetidin-2-one ;	1593542-96-1	C24H21F2NO3	409.43	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ezetimibe Anhydro (E)-Isomer	Ezetimibe (E)-Alkene ; (3R,4S)-1-(4-Fluorophenyl)-3-((E)-3-(4-fluorophenyl)allyl)-4-(4-hydroxyphenyl)azetidin-2-one ;	204589-68-4	C24H19F2NO2	391.41	
	Ezetimibe Tetrahydropyran Impurity	(2R,3R,6S)-N,6-Bis(4-fluorophenyl)tetrahydro-2-(4-hydroxyphenyl)-2H-pyran-3-carboxamide	1296129-15-1	C24H21F2NO3	409.43	
	Ezetimibe Benzyl Impurity	(3R,4S)-1-(4-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-[4-(phenylmethoxy)phenyl]-2-azetidinone.	163222-32-0	C31H27F2NO3	499.55	
	Ezetimibe Meta-Fluoroaniline Analog (USP)	Ezetimibe m-Fluoroaniline Analog (USP) ; (3R,4S)-1-(3-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)azetidin-2-one ;	NA	C24H21F2NO3	409.43	
	Ezetimibe 3-Fluoro Impurity	Ezetimibe 3-Fluoro Impurity	1700622-06-5	C24H21F2NO3	409.44	
	EZOGABINE					
	Ezogabine Impurity 1	Ethyl(2-amino-4-nitrophenyl)carbamate	1026685-07-3	C9H10N3O4	224.19	
	FAMOTIDINE					

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Famotidine EP Impurity A	Famotidine USP RC A ; 3-[[[2-[(Diaminomethylene)amino]thiazol-4-yl]methyl]sulphanyl]propanimidamide dihydrochloride.	88061-72-7	C8H16Cl2N6S2	331.29	
	Famotidine EP Impurity B	3,5-bis[2-[[[2-[(Diaminomethylene)amino]thiazol-4-yl]methyl]sulphanyl]ethyl]-4H-1,2,4,6-thiatriazine 1,1-dioxide.	89268-62-2	C16H23N11O2S5	561.75	
	Famotidine EP Impurity C	Famotidine EP Impurity C ; 3-[[[2-[(Diaminomethylene)amino]thiazol-4-yl]methyl]sulphanyl]-N-sulphamoylpropanamide	76824-17-4	C8H14N6O3S3	338.43	
	Famotidine EP Impurity D	Famotidine USP RC D ; 3-[[[2-[(Diaminomethylene)amino]thiazol-4-yl]methyl]sulphanyl]propanamide.	76824-16-3	C8H13N5OS2	259.35	
	Famotidine EP Impurity E	Famotidine EP Impurity E ; 2,2'-[Disulphanediylbis(methylenethiazole-4,2-diyl)]diguanidine.	129083-44-9	C10H14N8S4	374.53	
	Famotidine EP Impurity F	Famotidine EP Impurity F ; 3-[[[2-[(Diaminomethylene)amino]thiazol-4-yl]methyl]sulphanyl]propanoic acid.	107880-74-0	C8H12N4O2S2	260.34	
	Famotidine Impurity H	Famotidine Isothiourea Impurity ; 2-((2-(Diaminomethyleneamino)thiazol-4-yl)methyl)isothiourea dihydrochloride ;	88046-01-9	C6H12Cl2N6S2	303.24	
	Famotidine EP Impurity J	Methyl 3-[[[2-[(diaminomethylidene)amino]thiazol-4-yl]methyl]sulfanyl]propanoate ;	76824-14-1	C9H14N4O2S2	274.36	
	Famotidine Sulfoxide	3-[[[2-[(Diaminomethylene)amino]thiazol-4-yl]methyl]sulfinyl]-N'-aminosulfonylpropanimidamide ;	90237-03-9	C8H15N7O3S3	353.44	

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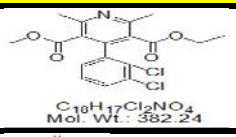
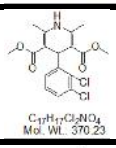
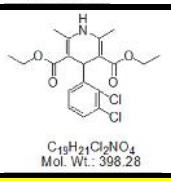
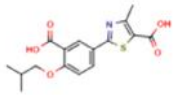
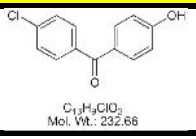
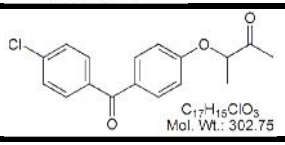
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	FELODIPINE					
	Felodipine EP Impurity A	Dehydro Felodipine ; Ethyl methyl 4-(2,3-dichlorophenyl)-2,6-dimethylpyridine-3,5-dicarboxylate ;	96382-71-7	C18H17Cl2NO4	382.24	
	Felodipine EP Impurity B	Felodipine Dimethyl Ester ; Dimethyl 4-(2,3-dichlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate ;	91189-59-2	C17H17Cl2NO4	370.23	
	Felodipine EP Impurity C	Felodipine Diethyl Ester ; Nemadipine B ; Diethyl 4-(2,3-dichlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate ;	79925-38-5	C19H21Cl2NO4	398.28	
	FEBUXOSTAT					
	Febuxostat Impurity C	2-[3-Carboxy-4-(2-methylpropoxy)phenyl]-4-methyl-5-thiazolecarboxylic Acid;	1239233-87-4	C16H17NO5S	335.37	
	FENOFIBRATE					
	Fenofibrate EP Impurity A	(4-Chlorophenyl)(4-hydroxyphenyl)methanone ;	42019-78-3	C13H9ClO2	232.66	
	Fenofibrate EP Impurity B	2-[4-(4-Chlorobenzoyl)phenoxy]-2-methylpropanoic acid ;	42017-89-0	C17H15ClO4	318.75	

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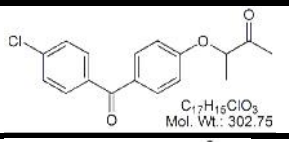
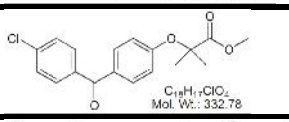
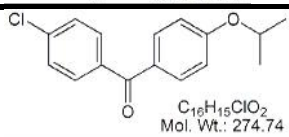
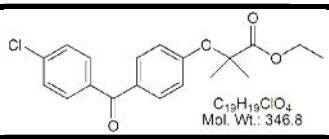
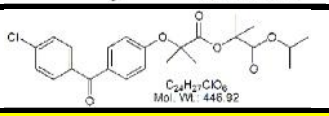
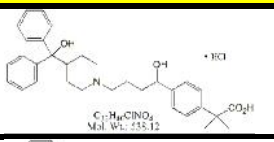
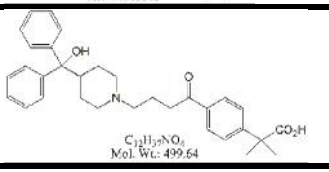
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Fenofibrate EP Impurity C	(3RS)-3-[4-(4-Chlorobenzoyl)phenoxy]butan-2-one ;	217636-47-0	C17H15ClO3	302.75	
	Fenofibrate EP Impurity D	Fenofibrate Methyl Ester Analog ; Methyl 2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoate ;	42019-07-8	C18H17Cl04	332.78	
	Fenofibrate EP Impurity F	(4-Chlorophenyl)[4-(1-methylethoxy)phenyl]methanone ;	154356-96-4	C16H15ClO2	274.74	
	Fenofibrate EP Impurity E	Ethyl 2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoate ; Fenofibrate Ethyl Ester Analog ;	42019-08-9	C19H19ClO4	346.8	
	Fenofibrate EP Impurity G	1-Methylethyl 2-[[2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoyl]oxy]-2-methylpropanoate ;	217636-48-1	C24H27ClO6	446.92	
	FEXOFENADINE					
	Fexofenadine HCl	2-[4-[(1RS)-1-Hydroxy-4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butyl]phenyl]-2-methylpropanoic acid hydrochloride ;	153439-40-8	C32H40ClNO4	538.12	
	Fexofenadine EP Impurity A	Fexofenadine USP RC A ; Fexofenadinone ; 2-[4-[4-[4-(Hydroxydiphenylmethyl)piperidin-1-yl]butanoyl]phenyl]-2-methylpropanoic acid ;	76811-98-8	C32H37NO4	499.64	

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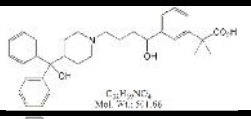
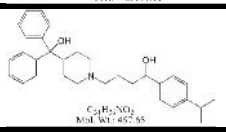
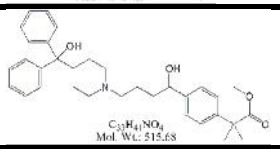
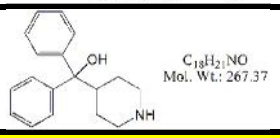
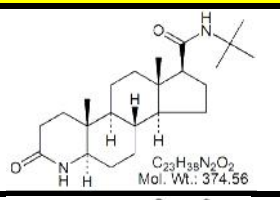
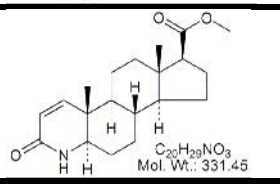
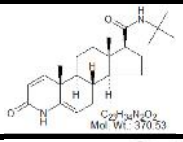
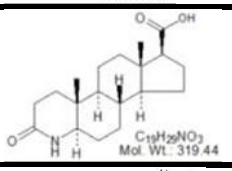
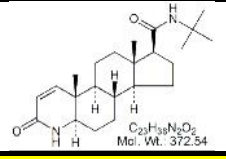
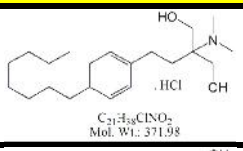
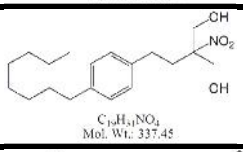
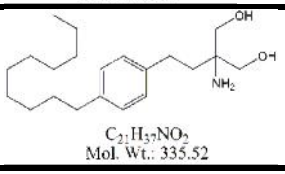
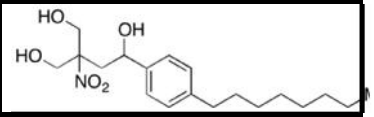
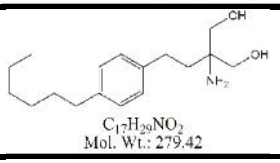
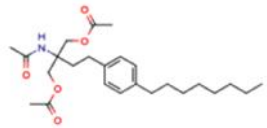
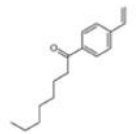
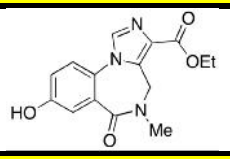
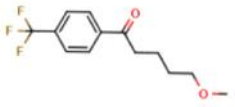
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Fexofenadine EP Impurity B	Fexofenadine USP RC B ; Meta-Fexofenadine ; 2-[3-[(1RS)-1-Hydroxy-4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butyl]phenyl]-2-methylpropanoic acid	479035-75-1	C32H39NO4	501.66	
	Fexofenadine EP Impurity C	Fexofenadine USP RC C ; Decarboxy Fexofenadine ; (1RS)-4-[4-(Hydroxydiphenylmethyl)piperidin-1-yl]-1-[4-(1-methylethyl)phenyl]butan-1-ol ;	185066-37-9	C31H39NO2	457.65	
	Fexofenadine EP Impurity D	Fexofenadine Methyl Ester ; Methyl 2-[4-[(1RS)-1-hydroxy-4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butyl]phenyl]-2-methylpropanoate ;	154825-96-4	C33H41NO4	515.68	
	Fexofenadine EP Impurity E	Diphenyl(piperidin-4-yl)methanol ;	115-46-8	C18H21NO	267.37	
	FINASTERIDE					
	Finasteride EP Impurity A	Finasteride EP Impurity A ; Finasteride USP RC A ; Finasteride Dihydro Impurity ; 1,2-Dihydro Finasteride Impurity ; (5?,17?)-N-(1,1-Dimethylethyl)-3-oxo-4-aza-androstane-17-carboxamide ; 1,2-Dihydro Finasteride ;	98319-24-5	C23H38N202	374.56	
	Finasteride EP Impurity B	Finasteride USP RC D ; Finasteride Methyl Ester Analog ; Dutasteride Methyl Ester Analog ; 3-Oxo-4-aza-5?-?ndrost-1-ene-17?-carboxylic acid methyl ester ;	103335-41-7	C20H29NO3	331.45	

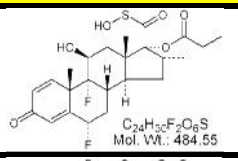
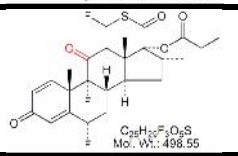
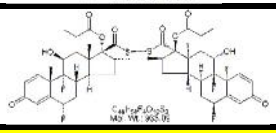
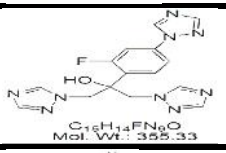
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Finasteride EP Impurity C	N-(1,1-Dimethylethyl)-3-oxo-4-azaandrosta-1,5-diene-17-carboxamide ;	1329611-51-9	C23H34N2O2	370.53	
	Finasteride Dihydro Carboxylic Acid	(5?,17?)-3-Oxo-4-aza-androstane-17-carboxylic acid ;	103335-55-3	C19H29NO3	319.44	
	Finasteride	(5a,17b)-N-(1,1-Dimethylethyl)-3-oxo-4-aza-androst-1-ene-17-carboxamide ;	98319-26-7	C23H36N2O2	372.54	
	FINGOLIMOD					
	Fingolimod N,N-Dimethyl Impurity	Fingolimod Dimethylamino Impurity ; 2-Dimethylamino-2-[2-(4-octylphenyl)ethyl]propane-1,3-diol HCl ;	1404433-87-9 (Base)	C21H38ClNO2	371.98	
	Fingolimod Nitro Impurity	2-Nitro-2-[2-(4-octylphenyl)ethyl]propane-1,3-diol ;	374077-88-0	C19H31NO4	337.45	
	Fingolimod Decyl Impurity	2-(4-Decylphenethyl)-2-aminopropane-1,3-diol ;	780729-32-0	C21H37NO2	335.52	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Fingolimod Impurity 1	1-Hydroxy-3-nitrodeamino Fingolimod;-(Hydroxymethyl)-3-nitro-1-(4-octylphenyl)-1,4-butanediol;	899822-99-2	C19H31NO5	353.45	
	Fingolimod Hexyl Impurity	2-(4-Hexylphenethyl)-2-aminopropane-1,3-diol ;	1201794-93-5	C17H29NO2	279.42	
	Fingolimod Triacetylated	2-acetamido-2-(4-octylphenethyl)propane-1,3-diyl diacetate	162358-09-0	C25H39NO5	433.58	
	Fingolimod Vinylphenyl	1-(4-vinylphenyl)octan-1-one	24993-87-1	C16H22O	230.34	
	FLUMAZENIL					
	Flumazenil Impurity B	Defluoro 8-Hydroxy Flumazenil (Impurity);5,6-Dihydro-8-hydroxy-5-methyl-6-oxo-4H-imidazo[1,5-a][1,4]benzodiazepine-3-carboxylic Acid Ethyl Ester; USP Flumazenil Related Compound B;	131666-45-0	C15H15N3O4	301.3	
	FLUVOXAMINE					
	Fluvoxamine EP Impurity D	(4-Methoxybutyl)(4-trifluoromethylphenyl)methanone;5-methoxy-1-(4-(trifluoromethyl)phenyl)pentan-1-one;Fluvoxketone;Fluvoxamine Ketone Impurity.	61718-80-7	C13H15F3O2	260.25	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	FLUTICASONE					
	Fluticasone USP RC A	Fluticasone EP Impurity B ;Fluticasone Sulfenic Acid Propionate ; [[6?,9-difluoro-11?-hydroxy-16?-methyl-3-oxo-17-(propanoyloxy) androsta-1,4-dien-17?-yl]carbonyl]sulphenic acid ;	948566-12-9	C24H30F2O6S	484.55	
	Fluticasone EP Impurity F	6?,9-Difluoro-17-[[(fluoromethyl)sulphanyl]carbonyl]-16?-methyl-3,11-dioxoandrosta-1,4-dien-17?-yl propanoate ;	1219174-94-3	C25H29F3O5S	498.55	
	Fluticasone EP Impurity H	17,17?-(Disulphanediyldicarbonyl)bis(6?,9-difluoro-11?-hydroxy-16?-methyl-3-oxoandrosta-1,4-dien-17?-yl) dipropanoate ;	201812-64-8	C48H58F4O10S2	935.09	
	FLUCONAZOLE					
	Fluconazole EP Impurity A	Fluconazole Triazole Isomer ; (2RS)-2-(2,4-Difluorophenyl)-1-(1H-1,2,4-triazol-1-yl)-3-(4H-1,2,4-triazol-4-yl)propan-2-ol ;	89429-59-4	C13H12F2N6O	306.27	
	Fluconazole EP Impurity B	Fluconazole USP RC A ; 2-[2-Fluoro-4-(1H-1,2,4-triazol-1-yl)phenyl]-1,3-bis(1H-1,2,4-triazol-1-yl)propan-2-ol ;	871550-15-1	C15H14FN9O	355.33	
	Fluconazole EP Impurity C	Fluconazole USP RC C ; 1,1?-(1,3-Phenylene)di-1H-1,2,4-triazole ;	514222-44-7	C10H8N6	212.21	

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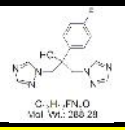
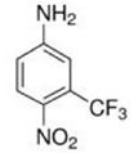
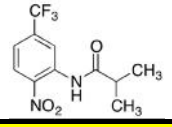
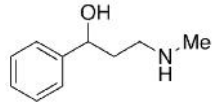
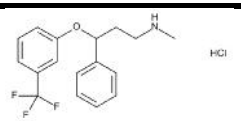
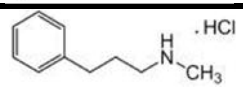
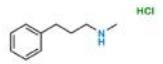
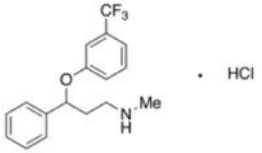
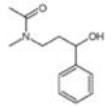
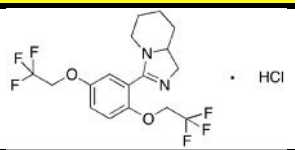
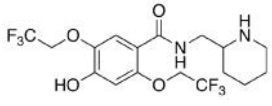
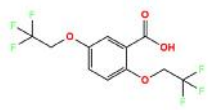
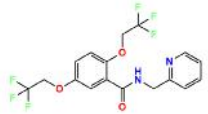
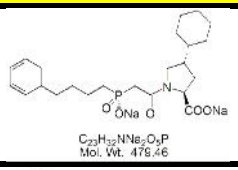
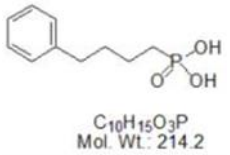
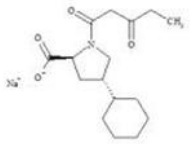
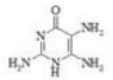
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Fluconazole EP Impurity D	Fluconazole USP RC B ; 2-Desfluoro Fluconazole ; 2-(4-Fluorophenyl)-1,3-bis(1H-1,2,4-triazol-1-yl)propan-2-ol ;	81886-51-3	C13H13FN6O	288.28	
	FLUTAMIDE					
	Flutamide Impurity A	4-Nitro-3-(trifluoromethyl)aniline, 4-Nitro-?,?,?-trifluoro-m-toluidine, 5-Amino-2-nitrobenzotrifluoride.	393-11-3	O2NC6H3(CF3)NH2	206.12	
	O-Flutamide	2-methyl-N-[2-nitro-5-(trifluoromethyl)phenyl]-Propanamide;	151262-93-0	C11H11F3N2O3	276.21	
	FLUOXETINE					
	Fluoxetine EP Impurity A	N-Methyl-3-hydroxy-3-phenylpropylamine; 3-(Methylamino)-1-phenyl-1-propanol; 3-Hydroxy-N-methyl-3-phenylpropylamine; 3-Methylamino-1-phenylpropanol; N-(3-Hydroxy-3-phenylpropyl)methylamine; N-Methyl-3-hydroxy-3-phenylpropylamine; N-Methyl-3-phenyl-3-hydroxypropylamine; ?-[2-(Methylamino)ethyl]benzenemethanol; N-Methyl-N-(3-hydroxy-3-phenylprop	42142-52-9	C10H15NO	165.23	
	Fluoxetine RC- A	(3RS)-N-Methyl-3-phenyl-3-[3-(trifluoromethyl)phenoxy]propan-1-amine Hydrochloride.	79088-29-2	C17H18F3NOClH	345.79	
	Fluoxetine - Impurity B	N-Methyl-3-phenylpropan-1-amine hydrochloride Fluoxetine hydrochloride impurity B Methyl-(3-phenyl-propyl)amine (3-Phenylpropyl)methylamine	30684-07-2	C10H15NCIH	185.69	

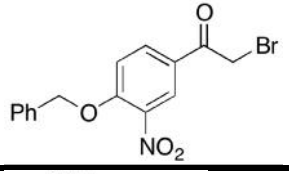
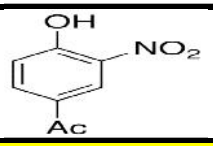
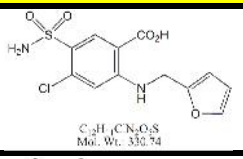
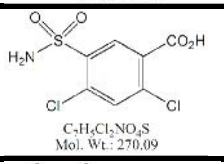
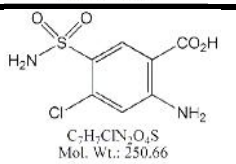
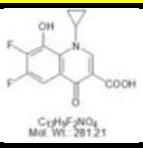
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Fluoxetine USP RC B	N-Methylbenzenepropanamine; Methyl(3-phenylpropyl)amine; N-(3-Phenylpropyl)methylamine; N-Methyl-N-(3-phenylpropyl)amine.	23580-89-4	C10H15N	149.2	
	Fluoxetine Impurity C	N-Methyl-?-[3-(trifluoromethyl)phenoxy]benzenepropanamine Hydrochloride; N-Methyl-3-phenyl-3-[(?,?,?-trifluoro-m-tolyl)oxy]propylamine Hydrochloride; USP Fluoxetine Related Compound A	79088-29-2	C17H19ClF3NO	345.79	
	Fluoxetine Impurity D	Acetamide,N-(3-hydroxy-3-phenylpropyl)-N-methyl.	851878-50-7	C12H17NO2	207.26	
	FLECAINIDE					
	Flecainide Impurity A	3-[2,5-bis(2,2,2-trifluoroethoxy)phenyl] -1,5,6,7,8,8a-hexahydroimidazo-[1,5a]pyridine Hydrochloride	NA	C??H??F?N?O?	396.33	
	Flecainide EP Impurity C	4-Hydroxy Flecainide;4-Hydroxy-N-(2-piperidinylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)benzamide; (�)-4-Hydroxy-N-(2-piperidinylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)benzamide;	152171-74-9	C17H20F6N2O4	430.34	

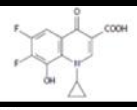
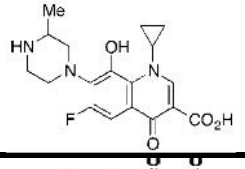
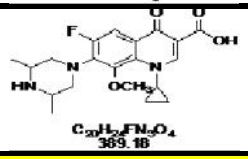
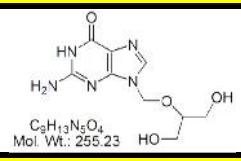
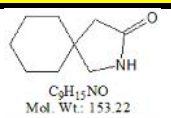
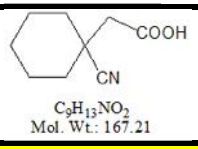
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Flecainide Impurity D	2,5-bis(2,2,2-trifluoroethoxy)benzoic acid	35480-52-5	C11H8F6O4	318.17	
	Flecainide Impurity E	N-(pyridin-2-ylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)benzamide	57415-36-8	C17H14F6N2O3	408.30	
	FOSINOPRIL					
	Fosinopril EP Impurity A	(4S)-4-Cyclohexyl-1-[2-[hydroxy(4-phenylbutyl)phosphinyl]acetyl]-L-proline disodium salt ;	95399-71-6	C23H32NNA2O5P	479.46	
	Fosinopril Impurity G	4-Phenylbutyl phosphonic acid ;	46348-61-2	C10H15O3P	214.2	
	Fosinopril Impurity H	Fosinopril Impurity H Sodium Salt	149760-14-5	C16H24NO4	294.37	
	Folic Acid Impurity B	2,5,6-triaminopyrimidin-4(1H)-one	1004-75-7	C4H7N5O	141.13	

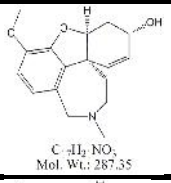
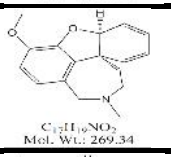
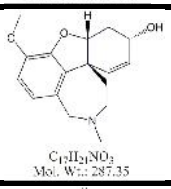
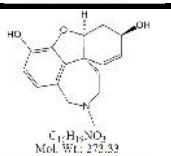
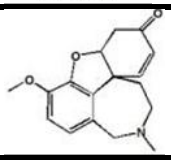
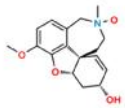
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	1-(4-(Benzyloxy)-3-Nitrophenyl)-2-Bromoethanone	2-Bromo-1-[3-nitro-4-(phenylmethoxy)phenyl]Ethanone; 1-(Benzyloxy)-2-nitro-4-(2-bromoacetyl)benzene; 2-Bromo-1-(3-nitro-4-benzyloxyphenyl)ethanone;	43229-01-2	C15H12BrNO4	350.16	
	Formoterolfumarate	3-Nitro-4-hydroxyacetophenone; 4-Acetyl-2-nitrophenol; 4-Hydroxy-3-nitroacetophenone; 1-(4-Hydroxy-3-nitrophenyl)ethanone; 2-Nitro-4-acetylphenol;	6322-56-1	C8H7NO4	181.15	
	FUROSEMIDE					
	Furosemide	4-Chloro-2-[(furan-2-ylmethyl)amino]-5-sulfamoylbenzoic acid ; 5-(Aminosulfonyl)-4-chloro-2-[(2-furanyl-methyl)amino]benzoic Acid ;	54-31-9	C12H11ClN2O5S	330.74	
	Furosemide EP Impurity B	2,4-Dichloro-5-sulfamoylbenzoic Acid ; 3-Sulfamoyl-4,6-dichlorobenzoic acid ;	2736-23-4	C7H5Cl2NO4S	270.09	
	Furosemide EP Impurity C	Saluamine ; 2-Amino-4-chloro-5-sulfamoylbenzoic acid ; 4-Chloro-5-sulfamoyl-anthranilic Acid ;	3086-91-7	C7H7ClN2O4S	250.66	
	GATIFLOXACIN					
	Gatifloxacin USP Impurity B	1-Cyclopropyl-6,7-difluoro-8-hydroxy-4-oxo-1,4-dihydroquinoline-3-carboxylic acid ;	154093-72-8	C13H9F2NO4	281.21	

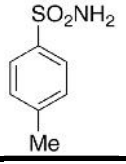
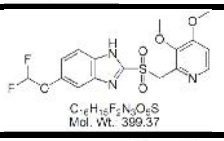
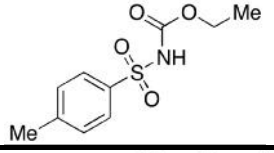
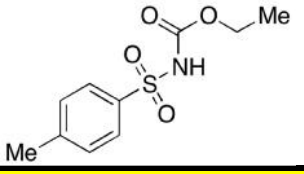
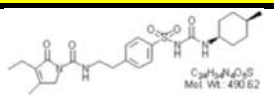
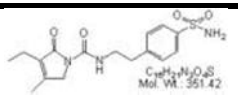
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Gatifloxacin Impuritiy-1	1-Cyclopropyl-6,7-difluoro-1,4-dihydro-8-hydroxy-4-oxo-3-quinoline carboxylic acid	NA	C13H9F2NO4	281.21	
	Desmethyl Gatifloxacin	1-Cyclopropyl-6-fluoro-1,4-dihydro-8-hydroxy-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic Acid; Gatifloxacin Impurity A;	616205-76-6	C18H20FN3O4	361.37	
	Gatifloxacin Impuritiy-2	3,4-Dimethyl piperazine derivative	144633-98-7	C20H24FN3O4	389.18	
	GANCICLOVIR					
	Ganciclovir	2-Amino-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-1,9-dihydro-6H-purin-6-one ;	82410-32-0	C9H13N5O4	255.23	
	GABAPENTIN					
	Gabapentin EP Impurity A	3-Azaspiro-[4,5]decan-3-one ; 3,3-Pentamethylene-5-butyrolactam ; 4,4-Pentamethylene-2-pyrrolidinone ;	64744-50-9	C9H15NO	153.22	
	Gabapentin EP Impurity B	(1-Cyanocyclohexyl)acetic acid	133481-09-1	C9H13NO2	167.21	
	GALANTAMINE					

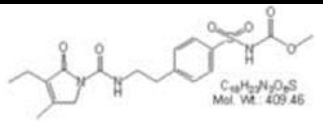
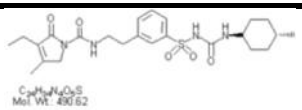
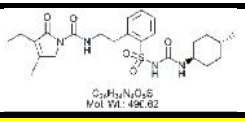
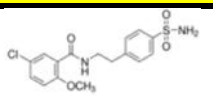
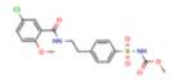
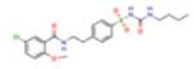
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Galantamine EP Impurity B	(4aS,6S,8aS)-3-Methoxy-11-methyl-5,6,9,10,11,12-hexahydro-4aH-[1]benzofuro[3a,3,2-ef][2]benzazepin-6-ol ;	1668-85-5	C17H21NO3	287.35	
	Galantamine EP Impurity D	(4aS,8aS)-3-Methoxy-11-methyl-9,10,11,12-tetrahydro-4aH-[1]benzofuro[3a,3,2-ef][2]benzazepine ;	664995-65-7	C17H19NO2	269.34	
	Galantamine EP Impurity F	(4aR,6S,8aR)-3-Methoxy-11-methyl-5,6,9,10,11,12-hexahydro-4aH-[1]benzofuro[3a,3,2-ef][2]benzazepin-6-ol ;	60384-53-4	C17H21NO3	287.35	
	Galantamine O-Desmethyl Impurity	(4aS,6R,8aS)-4a,5,9,10,11,12-Hexahydro-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepine-3,6-diol ;	60755-80-8	C16H19NO3	273.33	
	Galantamine Impurity Racemic Narwedine	(4aRS,6S,8aRS*)-4a,5,9,10,11,12-hexahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-one	NA	C17H19NO3	285.34	
	Galantamine N-Oxide	(4aS,6R,8aS,11R)-4a,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-ol 11-Oxide; Nivalin-oxide; Galanthamine 10-Oxide; Galanthamine ?-N-oxide.	134332-50-6	C17H21NO4	303.4	
	GLICLAZIDE					

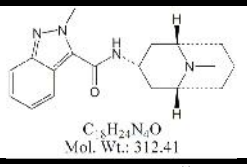
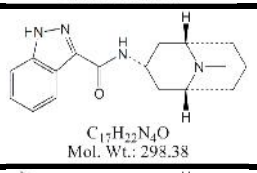
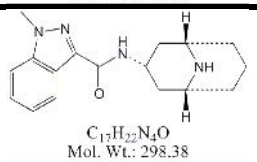
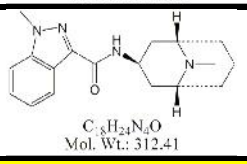
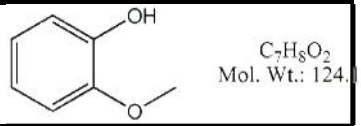
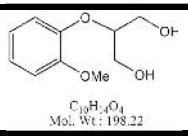
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Gliclazide Impurity A	4-Tolylsulfonamide; p-Toluenesulfonamide; 4-Methylbenzene-1-sulfonamide; 4-Methylbenzenesulfonamide	70-55-3	C7H9NO2S	171.22	
	Gliclazide Impurity B	N-Nitroso-3-azabicyclo[3.3.0]octane; Octahydro-2-nitrosocyclopenta[c]pyrrole	54786-86-6	C7H12N2O	140.18	
	Gliclazide Impurity C	Tosylurethane; Ethyl (p-?Toluenesulfonyl)?carbamate; Ethyl (p-?Tolylsulfonyl)?carbamate	5577-13-9	C10H13NO4S	243.28	
	Gliclazide Impurity F	ortho Gliclazide; 1-(3-Azabicyclo[3.3.0]oct-3-yl)-3-o-tolylsulphonylurea; ortho Gliclazide Impurity	1076198-18-9	C15H21N3O3S	323.41	
	GLIMEPIRIDE					
	Glimepiride EP Impurity A	Glimepiride BP Impurity A ; Glimepiride USP Related Compound A ; Glimepiride cis Isomer ; 1-[4-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl] phenylsulfonyl]-3-(4-cis-methylcyclohexyl)urea ;	684286-46-2	C24H34N4O5S	490.62	
	Glimepiride EP Impurity B	Glimepiride BP Impurity B ; Glimepiride Sulfonamide ; Glimepiride USP Related Compound B ; [4-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl] phenyl] sulfonamide ;	119018-29-0	C16H21N3O4S	351.42	

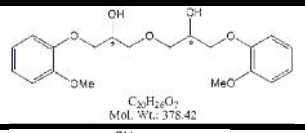
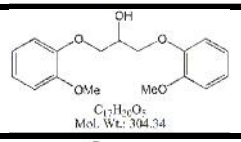
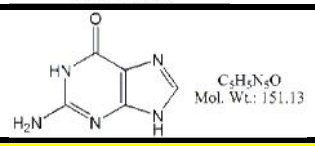
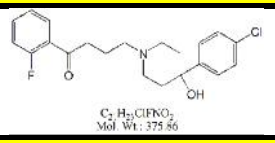
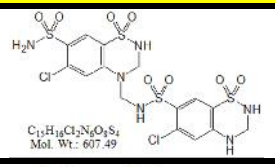
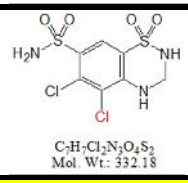
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Glimepiride EP Impurity C	Glimepiride BP Impurity C ; Glimepiride USP Related Compound C ; Glimepiride Ester ; 1-[[p-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl]phenyl]sulfonyl]-methoxy carbamate ;	119018-30-3	C18H23N3O6S	409.46	
	Glimepiride EP Impurity D	Glimepiride BP Impurity D ; Glimepiride USP Related Compound D ; Glimepiride meta Isomer ; Glimepiride 3-Isomer ; 1-[[m-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl]phenyl]sulfonyl]-3-(trans-4-methylcyclohexyl)urea.	791104-62-6	C24H34N4O5S	490.62	
	Glimepiride EP Impurity I	Glimepiride ortho Isomer ; 1-[2-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl] phenylsulfonyl]-3-(4-methylcyclohexyl)urea ;	878480-70-7	C24H34N4O5S	490.62	
	GLIBENCLAMIDE					
	Glibenclamide Impurity A	4-[2-(5-Chloro-2-methoxybenzamido)ethyl]phenylsulfonamide, 5-Chloro-2-methoxy-N-[2-(4-sulfamoylphenyl)ethyl]benzamide.	16673-34-0	ClC6H3(OCH3) CONHCH2C6H4 SO2NH2	368.84	
	Glibenclamide EP Impurity B	21691-432-methoxybenzoyl)amino)ethyl)phenyl)sulfonyl)-, methyl ester;	21165-77-5	C18H19ClN2O6 S	426.87	
	Glibenclamide Imp D (EP)	N-[4-[[(2-Methoxyonyl]-N-butylurea; N-[2-[4-[[[(Butylamiulfonyl]phenyl]ethyl]-5-chloro-2-methoxy-benzamide;N-(4-(N-(butylcarbamoyl)sulfamoyl)phenethyl)-5-chloro-2-methoxybenzamide	38160-73-5	C21H26ClN3O5 S	467.97	
	GRANISETRON					

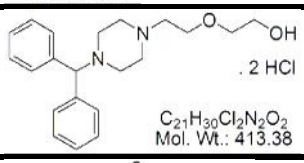
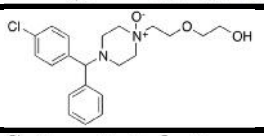
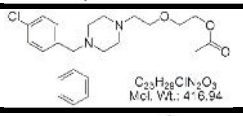
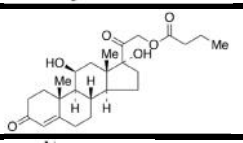
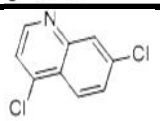
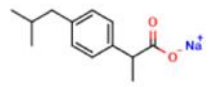
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Granisetron EP Impurity A	Granisetron USP RC A ; 1-Desmethyl 2-Methyl Granisetron ; 2-Methyl-N-[(1R,3r,5S)-9-methyl-9-azabicyclo[3.3.1]non-3-yl]-2H-indazole-3-carboxamide ;	127472-42-8	C18H24N4O	312.41	
	Granisetron EP Impurity B	Granisetron USP RC B ; 1-Desmethyl Granisetron ; N-[(1R,3r,5S)-9-Methyl-9-azabicyclo[3.3.1]non-3-yl]-1H-indazole-3-carboxamide ;	107007-95-4	C17H22N4O	298.38	
	Granisetron EP Impurity C	N-[(1R,3r,5S)-9-Azabicyclo[3.3.1]non-3-yl]-1-methyl-1H-indazole-3-carboxamide ;	160177-67-3	C17H22N4O	298.38	
	Granisetron EP Impurity F	exo-Granisetron ; exo-N-(9-Methyl-9-azabicyclo[3.3.1]non-3-yl)-1-methyl-1H-indazole-3-carboxamide ;	1364914-39-5	C18H24N4O	312.41	
	GUAIFENESIN					
	Guaifenesin EP Impurity A	2-Methoxyphenol.	90-05-1	C7H8O2	124.14	
	Guaifenesin EP Impurity B	2-(2-Methoxyphenoxy)propane-1,3-diol ;	14007-09-1	C10H14O4	198.2	

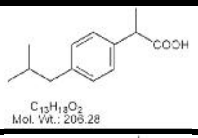
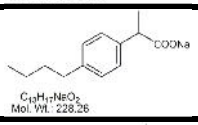
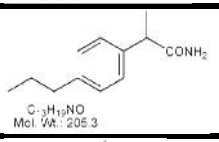
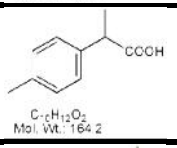
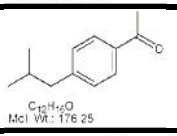
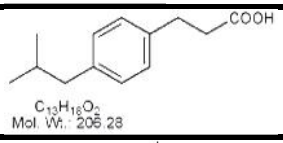
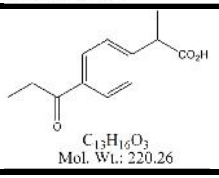
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Guaifenesin EP Impurity C	1,1?-Oxybis[3-(2-methoxyphenoxy)propan-2-ol] ;	1797132-23-0	C20H26O7	378.42	
	Guaifenesin EP Impurity D	1,3-Bis(2-Methoxyphenoxy)propan-2-ol ;	16929-60-5	C17H20O5	304.34	
	Guanine	2-Amino-1,9-dihydro-6H-purin-6-one ;	73-40-5	C5H5N5O	151.13	
	HALOPERIDOL					
	Haloperidol EP Impurity B	4-[4-(4-Chlorophenyl)-4-hydroxypiperidin-1-yl]-1-(2-?uorophenyl)butan-1-one ;	1391052-53-1	C21H23ClFNO2	375.86	
	HYDROCHLOROTHIAZIDE					
	Hydrochlorothiazide EP Impurity C	6-Chloro-N-[(6-chloro-7-sulfamoyl-2,3-dihydro-4H-1,2,4-benzothiadiazin-4-yl 1,1-dioxide)methyl]-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide ;	402824-96-8	C15H16Cl2N6O8S4	607.49	
	Hydrochlorothiazide 5-Chloro Impurity	5,6-Dichloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide ;	5233-42-1	C7H7Cl2N3O4S2	332.18	
	HYDROXYZINE					

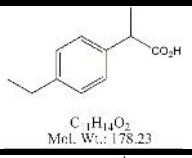
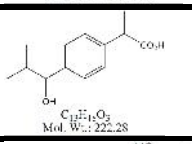
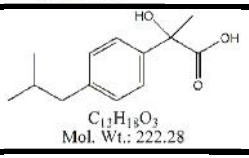
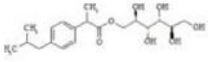
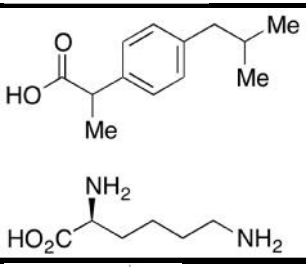
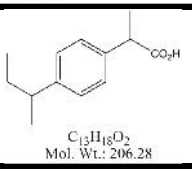
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Hydroxyzine EP Impurity A	(RS)-1-[(4-Chlorophenyl)phenylmethyl]-piperazine ;	303-26-4	C17H19ClN2	286.80	
	Hydroxyzine EP Impurity B	Hydroxyzine BP Impurity B ; Deschloro Hydroxyzine Dihydrochloride ; Decloxizine Dihydrochloride ; 2-[2-[4-(Diphenylmethyl)piperazin-1-yl]ethoxy]ethanol dihydrochloride ;	13073-96-6	C21H30Cl2N2O2	413.38	
	Hydroxyzine N-Oxide	NA	NA	C21H27ClN2O3	390.9	
	Hydroxyzine O-Acetyl Impurity	2-(2-{4-[(4-Chlorophenyl)-phenylmethyl]piperazin-1-yl}ethoxy)ethyl acetate ;	NA	C23H29ClN2O3	416.94	
	Hydrocortisone 21-Butyrate	(11?)-11,17-Dihydroxy-21-(1-oxobutoxy)pregn-4-ene-3,20-dione	6677-99-2	C25H36O6	432.55	
	4,7-Dichloroquinoline	tl1473;TL 1473;7-Dichloroquinoline;4,7-DICHLOROQUINOLINE;4,7-dichloro-quinolin;4,7-DICHLOLROQUINOLINE;Quinoline, 4,7-dichloro-;4,7-Dichloroquinoline,98%;4,7-Dichloroquinoline,97%;4,7-DICHLOROQUINOLINE, 99+%	86-98-6	C9H5Cl2N	198.05	
	IBUPROFEN					
	Ibuprofen Sodium	Methyl-4-(isobutyl)phenylacetic acid	31121-93-4	C13H17O2Na	228.26	

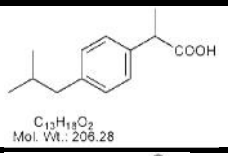
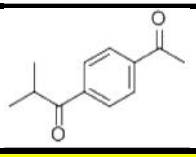
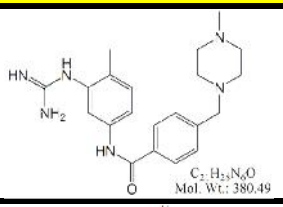
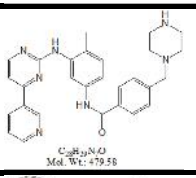
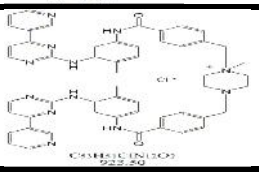
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ibuprofen	alpha-Methyl-4-(2-methylpropyl)benzeneacetic acid ; 2-(4-Isobutylphenyl)-propionic acid ; p-Isobutylhydratropic acid ;	15687-27-1	C13H18O2	206.28	
	Ibuprofen EP Impurity B	(2RS)-2-(4-Butylphenyl)propanoic acid sodium salt ;	3585-49-7	C13H17NaO2	228.26	
	Ibuprofen EP Impurity C	Ibuprofen Amide ; (2RS)-2-[4-(2-Methylpropyl)phenyl]propanamide ;	59512-17-3	C13H19NO	205.3	
	Ibuprofen EP Impurity D	(2RS)-2-(4-Methylphenyl)propanoic acid ;	938-94-3	C10H12O2	164.2	
	Ibuprofen EP Impurity E	1-[4-(2-Methylpropyl)phenyl]ethanone ;	38861-78-8	C12H16O	176.25	
	Ibuprofen EP Impurity F	3-[4-(2-Methylpropyl)phenyl]propanoic acid ;	65322-85-2	C13H18O2	206.28	
	Ibuprofen EP Impurity J	(2RS)-2-[4-(2-Methylpropanoyl)phenyl]propanoic acid ;	65813-55-0	C13H16O3	220.26	

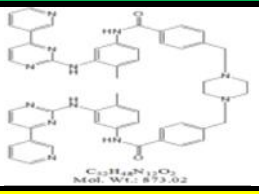
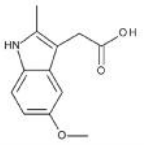
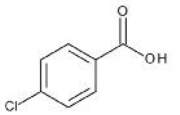
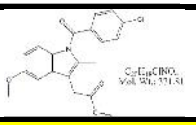
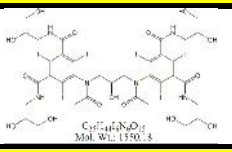
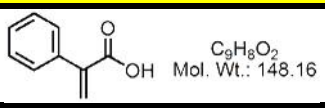
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ibuprofen EP Impurity N	(2RS)-2-(4-Ethylphenyl)propanoic acid ;	3585-52-2	C11H14O2	178.23	
	Ibuprofen EP Impurity L	2-[4-(1-Hydroxy-2-methylpropyl)phenyl]propanoic acid ;	53949-53-4	C13H18O3	222.28	
	Ibuprofen EP Impurity M	Ibuprofen BP Impurity M ; (2RS)-2-Hydroxy-2-[4-(2-Methylpropyl)phenyl]propanoic acid ;	60057-62-7	C13H18O3	222.28	
	Ibuprofen Sorbitol Ester	NA	NA	C19H30O7	370.45	
	Ibuprofen Lysinate	L-Lysine Mono[?-methyl-4-(2-methylpropyl)benzeneacetate]; ?-Methyl-4-(2-methylpropyl)benzeneacetic Acid Compd. With L-Lysine (1:1); Arfen; Dolormin; Ibuprofen Lysine; Ibuprofen Lysine Salt; Imbun; Imbun 500; Lisiprofen; Lysine 2-(p-Isobutylphenyl)propionate; Saren; Solufenum; Soluphene.	57469-77-9	C19H32N2O4	352.47	
	Ibuprofen EP Impurity O	Ibuprofen BP Impurity O ; 2-[4-(1-Methylpropyl)phenyl]propanoic acid ;	64451-76-9	C13H18O2	206.28	

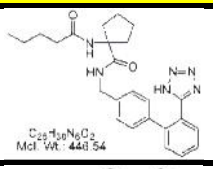
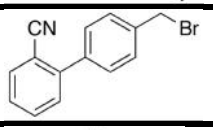
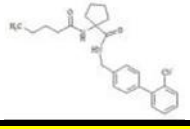
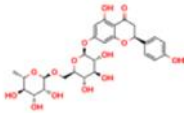
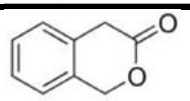
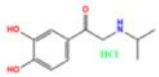
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ibuprofen For Peck Identification	alpha-Methyl-4-(2-methylpropyl)benzeneacetic acid ; 2-(4-Isobutylphenyl)-propionic acid ; p-Isobutylhydratropic acid ;	15687-27-1	C13H18O2	206.28	
	4-Isobutyrylacetophenone	1-(4-Acetylphenyl)-2-methyl-1-propanone	103931-20-0	C12H14O2	190.24	
	IMATINIB					
	Imatinib EP Impurity B	Imatinib Guanidino Impurity ; N-(3-Guanidino-4-methylphenyl)-4-((4-methylpiperazin-1-yl)methyl)benzamide ; N-(3-Carbamimidamido-4-methylphenyl)-4-[(4-methylpiperazin-1-yl)methyl]benzamide ;	581076-65-5	C21H28N6O	380.49	
	Imatinib EP Impurity C	Imatinib N-Desmethyl Impurity ; N-(4-Methyl-3-(4-(pyridin-3-yl)pyrimidin-2-ylamino) phenyl)-4- (piperazin-1-ylmethyl)benzamide ;	404844-02-6	C28H29N7O	479.58	
	Imatinib EP Impurity D	Imatinib Dimer ; 1-Methyl-1,4-bis[4-[(4-methyl-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino] phenyl)carbamoyl]benzyl]piperazin-1-ium chloride ;	NA	C53H51ClN12O2	923.50	

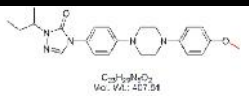
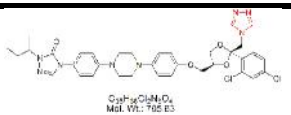
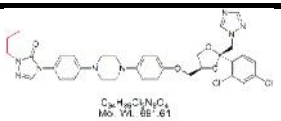
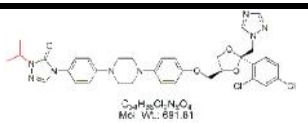
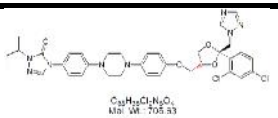
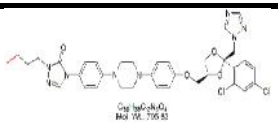
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Imatinib Impurity E	1,4-bis-[4-[4-Methyl-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino]phenyl] carbamoyl] benzyl piperazine ;	1365802-18-1	C52H48N12O2	873.02	
	INDOMETHACIN					
	Indomethacin RC A	2-(5-methoxy-2-methyl-1H-indol-3-yl)acetic acid.	2882-15-7	C12H13NO3	219.24	
	Indomethacin RC B	4-Chlorobenzoic acid	74-11-3	C7H5ClO2	156.57	
	Indomethacin Methyl Ester	1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetic Acid Methyl Ester ;	1601-18-9	C20H18ClNO4	371.81	
	IODIXANOL					
	Iodixanol	5,5?-[(2-Hydroxypropane-1,3-diyl)bis(acetylimino)]bis[N,N?-bis(2,3-dihydroxypropyl)2,4,6-triiodobenzene-1,3-dicarboxamide] ;	92339-11-2	C35H44I6N6O15	1550.18	
	IPRATROPIUM					
	Ipratropium EP Impurity D	2-Phenylpropenoic acid ;	492-38-6	C9H8O2	148.16	

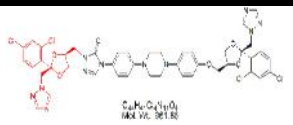
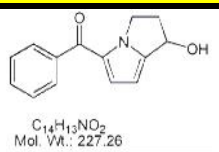
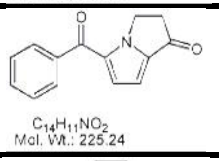
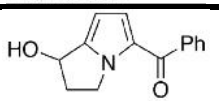
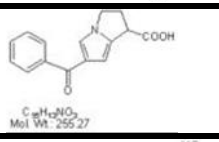
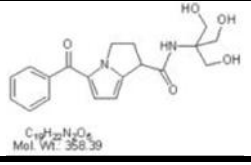
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	IRBESARTAN					
	Irbesartan EP Impurity A	Irbesartan USP Related Compound A ; Irbesartan Metabolite "SR-49498" ; 1-Pentanoylamino-cyclopentanecarboxylic acid [2'-(1H-tetrazol-5-yl)-biphenyl-4-ylmethyl]-amide ;	748812-53-5	C25H30N6O2	446.54	
	Bromomethyl	(Bromomethyl)-[1,1'-biphenyl]-2-carbonitrile; 2-(4-Bromomethylphenyl)benzonitrile; 4-(2-Cyanophenyl)benzyl Bromide;	114772-54-2	C14H10BrN	272.14	
	Irbesartan Carboxamide Impurity	N-((2'-cyanobiphenyl-4-yl)methyl;1-pentanamido cyclopentane carboxamide	NA	C25H29N3O2	403.53	
	ISONARINGIN					
	Isonaringin	NA	NA	C27H32O14	580.54	
	Isochromanone	NA	4385-35-7	C9H8O2	148.16	
	Isoproterenol Impurity A	1-(3,4-dihydroxyphenyl)-2-(isopropylamino)ethan-1-one hydrochloride.	16899-81-3	C11H15NO3 HCl	209.25	
	ITRACONAZOLE					

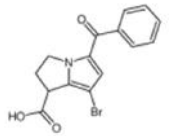
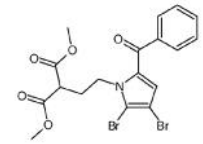
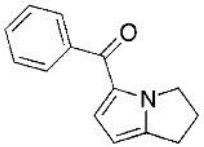
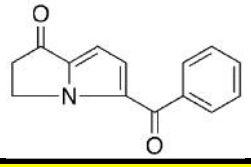
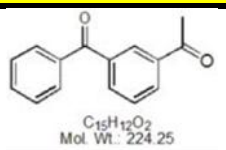
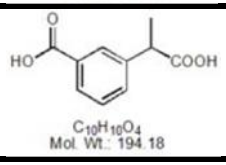
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Itraconazole EP Impurity A	Itraconazole EP Impurity A ; Itraconazole Methoxy Isobutyltriazolone Impurity ; 4-[4-[4-(4-Methoxyphenyl)piperazin-1-yl]phenyl]-2-[(1RS)-1-methylpropyl]-2,4-dihydro-3H-1,2,4-triazol-3-one ;	252964-68-4	C23H29N5O2	407.51	
	Itraconazole EP Impurity B	Itraconazole EP Impurity B ; Itraconazole N4-Isomer ; 4-[4-[4-[4-[[cis-2-(2,4-Dichlorophenyl)-2-(4H-1,2,4-triazol-4-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-[(1RS)-1-methylpropyl]-2,4-dihydro-3H-1,2,4-triazol-3-one ;	854372-77-3	C35H38Cl2N8O4	705.63	
	Itraconazole EP Impurity C	Itraconazole EP Impurity C ; Itraconazole Propyl Analog ; 4-[4-[4-[4-[[cis-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxyphenyl]piperazin-1-yl]phenyl]-2-propyl-2,4-dihydro-3H-1,2,4-triazol-3-one ;	74855-91-7	C34H36Cl2N8O4	691.61	
	Itraconazole EP Impurity D	Itraconazole EP Impurity D ; Itraconazole Isopropyl Analog ; 4-[4-[4-[4-[[cis-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-(1-methyl ethyl)-2,4-dihydro-3H-1,2,4-triazol-3-one ;	89848-49-7	C34H36Cl2N8O4	691.61	
	Itraconazole EP Impurity E	Itraconazole EP Impurity E ; trans-Itraconazole ; 4-[4-[4-[4-[[trans-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-[(1RS)-1-methylpropyl]-2,4-dihydro-3H-1,2,4-triazol-3-one ;	252964-65-1	C35H38Cl2N8O4	705.63	
	Itraconazole EP Impurity F	Itraconazole EP Impurity F ; Itraconazole Butyl Analog ; 2-Butyl-4-[4-[4-[4-[[cis-2-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2,4-dihydro-3H-1,2,4-triazol-3-one ;	89848-51-1	C35H38Cl2N8O4	705.63	

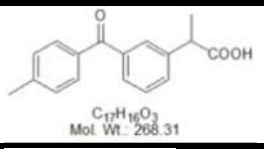
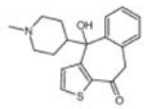
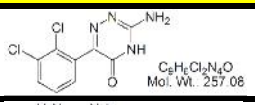
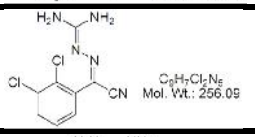
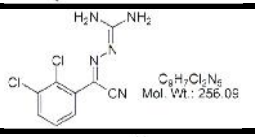
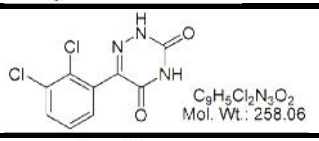
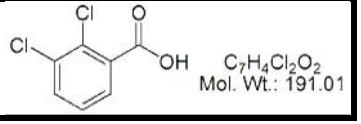
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Itraconazole EP Impurity G	Itraconazole EP Impurity G ; 4-[4-[4-[4-[[cis-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-[[cis-2-(2,4-dichloro phenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methyl]-2,4-dihydro-3H-1,2,4-triazol-3-one ;	NA	C44H41Cl4N11O6	961.68	
	KETOROLAC					
	Ketorolac EP Impurity A	Ketorolac USP Related Compound B ; 1-Hydroxy Ketorolac Impurity ; (1RS)-5-Benzoyl-2,3-dihydro-1H-pyrrolizin-1-ol ;	154476-25-2	C14H13NO2	227.26	
	Ketorolac EP Impurity B	Ketorolac USP Related Compound C ; 1-Keto Ketorolac ; 5-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-one ;	113502-52-6	C14H11NO2	225.24	
	Descarboxy 1-Hydroxy Ketorolac	(2,3-Dihydro-1-hydroxy-1H-pyrrolizin-5-yl)phenylmethanone; USP Ketorolac Related Compound B.	154476-25-2	C14H13NO2	227.26	
	Ketorolac EP Impurity C	Ketorolac EP Impurity C ; 6-Benzoyl Ketorolac Isomer ; (1RS)-6-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid ;	1026936-07-1	C15H13NO3	255.27	
	Ketorolac EP Impurity E	Ketorolac USP Related Compound A ; Ketorolac Tris Amide Impurity ; (1RS)-5-Benzoyl-N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]-2,3-dihydro-1H-pyrrolizine-1-carboxamide ;	167105-80-8	C19H22N2O5	358.39	

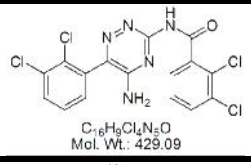
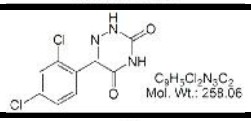
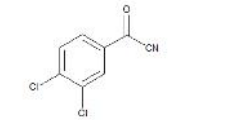
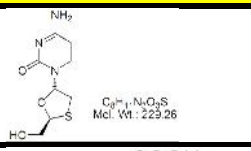
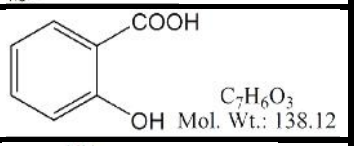
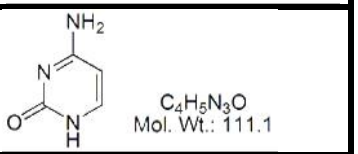
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Bromo Impurity	5-benzoyl-7-bromo-1,2-dihydro-3H-pyrrolo[1,2-a]pyrrole-1-carboxylic acid.	84023-60-9	C15H12BrNO3	334.16	
	Dimethyl[2-(2,3-Dibromo-5-Benzoylpyrrol-1-Yl)Ethyl]Malonate	dimethyl[2-(2,3-dibromo-5-benzoylpyrrol-1-yl)ethyl]malonate.	80965-18-0	C18H17Br2NO5	487.14	
	1-Descarboxy Ketorolac	2,3-Dihydro-1H-pyrrolizin-5-yl)phenylmethanone; USP Ketorolac Related Compound D;	113502-55-9	C14H13NO	211.26	
	1-Keto Ketorolac	5-Benzoyl-2,3-dihydro-1H-pyrrolizin-1-one; USP Ketorolac Related Compound C;	113502-52-6	C14H11NO2	225.24	
	KETOPROFEN					
	Ketoprofen EP Impurity A	1-(3-Benzoylphenyl)ethanone ;	66067-44-5	C15H12O2	224.25	
	Ketoprofen EP Impurity C	3-[(1RS)-1-Carboxyethyl]benzoic acid ;	NA	C10H10O4	194.18	

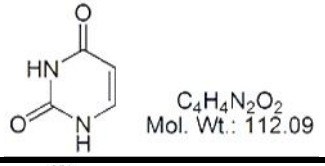
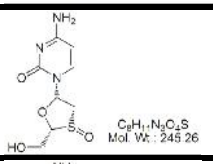
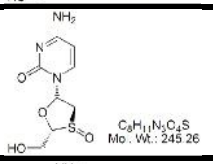
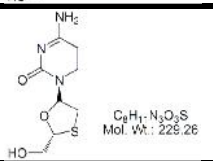
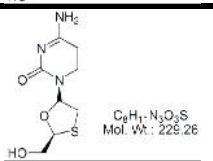
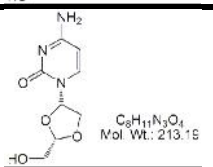
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ketoprofen EP Impurity D	(2RS)-2-[3-(4-Methylbenzoyl)phenyl]propanoic acid ;	NA	C17H16O3	268.31	
	Ketotifen Impurity C	4-Hydroxy Ketotifen; 4,9-Dihydro-4-hydroxy-4-(1-methyl-4-piperidinyl)-10H-benzo[4,5]cyclohepta[1,2-b]thiophen-10-one;	126939-27-3	C19H21NO2S	327.45	
	LAMOTRIGINE					
	Lamotrigine EP Impurity A	Lamotrigine USP RC C ; 3-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-5(4H)-one ;	252186-78-0	C9H6Cl2N4O	257.08	
	Lamotrigine EP Impurity B	(2E)-[2-(Diaminomethylidene)diazanylidene](2,3-dichlorophenyl)acetonitrile ;	NA	C9H7Cl2N5	256.09	
	Lamotrigine EP Impurity C	(2Z)-[2-(Diaminomethylidene)diazanylidene](2,3-dichlorophenyl)acetonitrile ;	84689-20-3	C9H7Cl2N5	256.09	
	Lamotrigine EP Impurity D	6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5(2H,4H)-dione ;	661463-79-2	C9H5Cl2N3O2	258.06	
	Lamotrigine EP Impurity E	2,3-Dichlorobenzoic acid ;	50-45-3	C7H4Cl2O2	191.01	

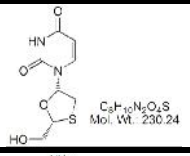
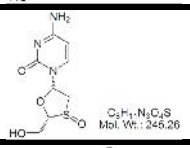
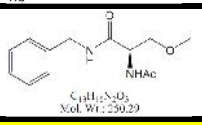
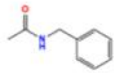
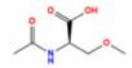
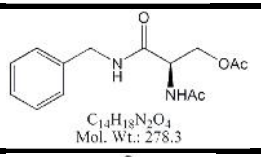
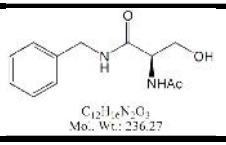
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lamotrigine EP Impurity F	N-[5-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-3-yl]-2,3-dichlorobenzamide ;	252186-79-1	C16H9Cl4N5O	429.09	
	Lamotrigine EP Impurity G	6-(2,4-dichlorophenyl)-1,2,4-triazine-3,5-diamine ;	38943-76-9	C9H5Cl2N3O2	258.06	
	2-(3,4-Dichlorophenyl)-2-Oxoacetonitrile	2-(3,4-dichlorophenyl)-2-oxoacetonitrile	77668-42-9	C8H3Cl2NO	200.02	
	LAMIVUDINE					
	Lamivudine EP Impurity B	Lamivudine EP Impurity B ; 4-Amino-1-[(2S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidin-2(1H)-one ;	136846-20-3	C8H11N3O3S	229.26	
	Lamivudine EP Impurity C	Lamivudine EP Impurity C ; Salicylic Acid ; 2-Hydroxybenzenecarboxylic acid ;	69-72-7	C7H6O3	138.12	
	Lamivudine EP Impurity E	Lamivudine EP Impurity E ; Cytosine ; 4-Aminopyrimidin-2(1H)-one ;	71-30-7	C4H5N3O	111.1	

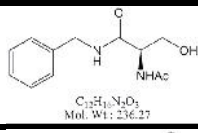
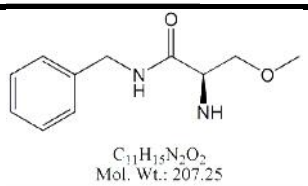
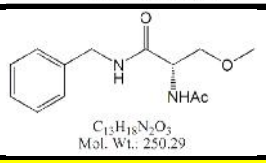
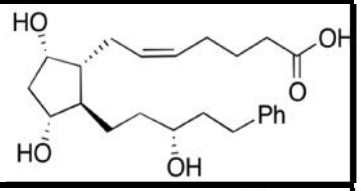
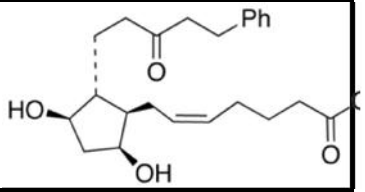
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lamivudine EP Impurity F	Lamivudine EP Impurity F ; Uracil ; Pyrimidine-2,4(1H,3H)-dione ;	66-22-8	C4H4N2O2	112.09	
	Lamivudine EP Impurity G	Lamivudine EP Impurity G ; Lamivudine (3S)-Sulfoxide ; 4-Amino-1-[(2R,3S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl] pyrimidin-2(1H)-one S-oxide ;	160552-55-6	C8H11N3O4S	245.26	
	Lamivudine EP Impurity H	Lamivudine EP Impurity H ; Lamivudine (3R)-Sulfoxide ; 4-Amino-1-[(2R,3R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl] pyrimidin-2(1H)-one S-oxide ;	160552-54-5	C8H11N3O4S	245.26	
	Lamivudine 5-Epimer	Lamivudine 5-Epimer ; trans-Lamivudine (USP) ; 4-Amino-1-[(2R,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl] pyrimidin-2(1H)-one ; 139757-68-9	139757-68-9	C8H11N3O3S	229.26	
	Lamivudine Enantiomer	Lamivudine EP Impurity D ; 4-Amino-1-[(2S,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidin-2(1H)-one ;	134680-32-3	C8H11N3O3S	229.26	
	Lamivudine EP Impurity I	Lamivudine EP Impurity I ; Lamivudine Dioxolan Impurity ; 4-Amino-1-[(2S,4S)-2-(hydroxymethyl)-1,3-dioxolan-4-yl] pyrimidin-2(1H)-one ;	NA	C8H11N3O4	213.19	

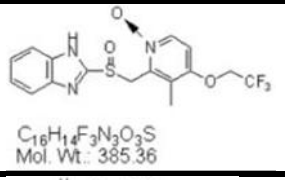
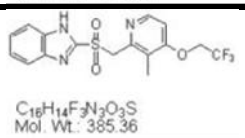
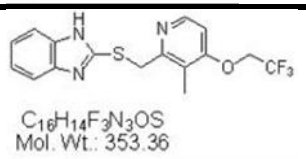
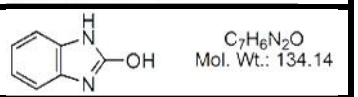
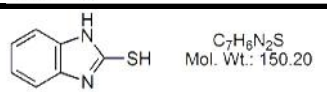
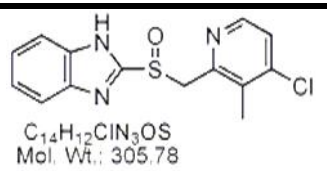
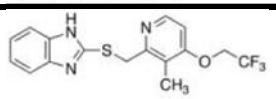
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lamivudine EP Impurity J	Lamivudine EP Impurity J ; Lamivudine Dione Impurity ; 1-[(2R,5S)-2-(Hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidine-2,4(1H,3H)-dione ;	145986-07-8	C8H10N2O4S	230.24	
	Lamivudine Sulfoxide	Lamivudine Sulfoxide ; 4-Amino-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl] pyrimidin-2(1H)-one S-oxide ;	1235712-40-9	C8H11N3O4S	245.26	
	Lacosamide	(2R)-2-(Acetylamino)-3-methoxy-N-(phenylmethyl)propanamide ;	175481-36-4	C13H18N2O3	250.29	
	LACOSAMIDE					
	Lacosamide Impurity B	N-benzylacetamide.	588-46-5	C9H11NO	149.19	
	Lacosamide Impurity D	N-acetyl-O-methyl-D-serine; (R)-2-Acetylamino-3-methoxy-propionic acid;	196601-67-9	C6H11NO4	161.16	
	Lacosamide Impurity E	Lacosamide O-Acetyl Impurity ;(2R)-2-(Acetylamino)-3-(acetyloxy)-N-(phenylmethyl)-propanamide ;	1318777-54-6	C14H18N2O4	278.3	
	Lacosamide Impurity H	Lacosamide N-Ethylcarbonyl Analog ;(2R)-3-Methoxy-2-[(1-oxopropyl)amino]-N-(phenylmethyl)propanamide ;v	1318777-56-8	C14H20N2O3	236.27	

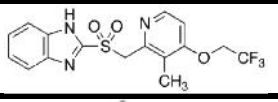
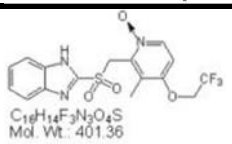
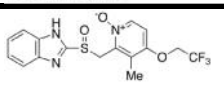
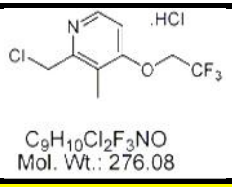
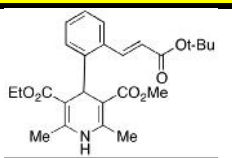
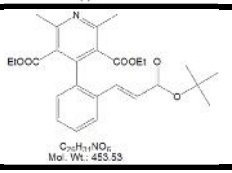
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lacosamide O-Desmethyl Impurity	(2R)-2-(Acetylamino)-3-hydroxy-N-(phenylmethyl)propanamide ;	175481-38-6	C12H16N2O3	236.27	
	Lacosamide N-Desacetyl Impurity	(2R)-2-Amino-3-methoxy-N-(phenylmethyl)-propanamide ;	196601-69-1	C11H15N2O2	207.25	
	Lacosamide (S)-Isomer	(S)-2-(Acetylamino)-3-methoxy-N-(phenylmethyl)propanamide ;	175481-37-5	C13H18N2O3	250.29	
	LATANOPROST					
	Latanoprost Acid	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(3R)-3-hydroxy-5-phenylpentyl]cyclopentyl]-5-heptenoic Acid; 13,14-Dihydro-17-phenyl-18,19,20-trinor-PGF2?; PhXA 85; USP Latanoprost Related Compound E;	41639-83-2	C23H34O5	390.51	
	15-Keto Latanoprost	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-(3-oxo-5-phenylpentyl)cyclopentyl]-5-heptenoic Acid 1-Methylethyl Ester; [1R-[1?(Z),2?,3?,5?]]-7-[3,5-Dihydroxy-2-(3-oxo-5-phenylpentyl)cyclopentyl]-5-heptenoic Acid 1-Methylethyl Ester; 15-Ketolatanoprost;	135646-98-9	C26H38O5	430.58	
	Lansoprazole					

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lansoprazole EP Impurity A	Lansoprazole N-Oxide ;2-[[[3-Methyl-1-oxido-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfinyl]-1H-benzimidazole ;	213476-12-1	C16H14F3N3O3S	385.36	
	Lansoprazole EP Impurity B	Lansoprazole USP Related Compound A ; Lansoprazole Sulfone ;	131926-99-3	C16H14F3N3O3S	385.36	
	Lansoprazole EP Impurity C	Lansoprazole USP Related Compound B ; Lansoprazole Sulfide ; 2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]thio]-1H-benzimidazole ;	103577-40-8	C16H14F3N3OS	353.36	
	Lansoprazole EP Impurity D	1H-Benzimidazol-2-ol ; 2-Hydroxybenzimidazole ;	615-16-7	C7H6N2O	134.14	
	Lansoprazole EP Impurity E	Rabeprazole USP Related Compound C ; Rabeprazole Mercapto Impurity ; 1H-Benzimidazole-2-thiol ; 2-Mercaptobenzimidazole ;	583-39-1	C7H6N2S	150.2	
	Lansoprazole EP Impurity F	Rabeprazole USP Related Compound F ; Rabeprazole Chloro Analog (USP) ; 2-[(RS)-[(4-Chloro-3-methylpyridin-2-yl)methyl]sulphinyl]-1H-benzimidazole ; 4-Desmethoxypropoxyl-4-Chloro Rabeprazole ;	168167-42-8	C14H12ClN3OS	305.78	
	Lansoprazole Sulfide	2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]thio]-1H-benzimidazole; AG 1777; H 225/18; K 1252; Lansoprazole EP Impurity C/USP Impurity B	103577-40-8	C16H14F3N3OS	353.36	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lansoprazole Sulfone	2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole; AG 1813;	131926-99-3	C16H14F3N3O3S	385.36	
	Lansoprazole Sulfone N-Oxide	2-[[[3-Methyl-1-oxido-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole ;	953787-54-7	C16H14F3N3O4S	401.36	
	Lansoprazole N-Oxide	2-[[[3-Methyl-1-oxido-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfinyl]-1H-benzimidazole; Lansoprazole EP Impurity A	213476-12-1	C16H14F3N3O3S	385.36	
	Lansoprazole Chloromethyl Impurity	2-Chloromethyl-3-methyl-4-(2,2,2-trifluoroethoxy)pyridine hydrochloride ;	127337-60-4	C9H10Cl2F3NO	276.08	
	LACIDIPINE					
	Lacidipine Impurity A	Lacidipine Monomethyl Ester;4-[2-[3-(1,1-Dimethylethoxy)-3-oxo-1-propenyl]phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic Acid Ethyl Methyl Ester	103890-81-9	C25H31NO6	441.52	
	Lacidipine BP Impurity B	Diethyl (E)-4-{2-[2-(tert-butoxycarbonyl)vinyl]phenyl}-2,6-dimethylpyridine-3,5-dicarboxylate ;	130996-24-6	C26H31NO6	453.53	

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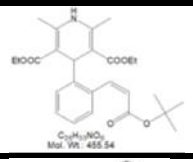
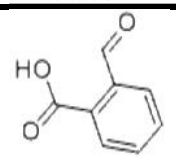
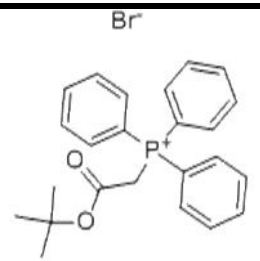
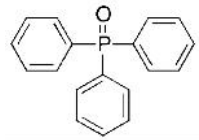
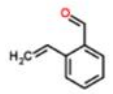
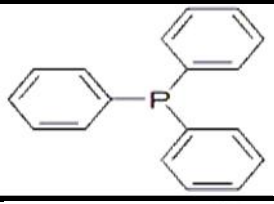
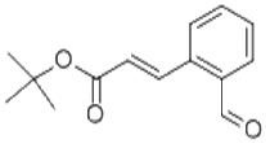
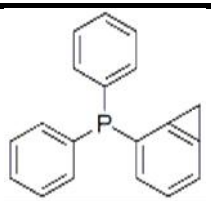
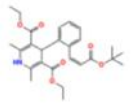
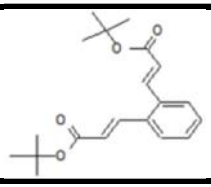
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lacidipine BP Impurity C	Diethyl (Z)-4-{2-[2-(tert-butoxycarbonyl)vinyl]phenyl}-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate ;	103890-79-5	C26H33NO6	455.54	
	2-Carboxybenzaldehyde	OFBA;Phthalaldehyd;Phthaladehyde;AKOS BBS-00003264;Pthaladehyde acid;3-HYDROXYPHTHALIDE;PHTHALDEHYDIC ACID;RARECHEM AL BO 1280;2-formyl-benzoicaci;2-PHTHALDEHYDIC ACID	119-67-5	C8H6O3	150.13	
	(Tert-Butoxycarbonylmethyl)Triphenylphosphanium Bromide	NSC 82468;T-butoxycarbonylMethyltriphenylphosphoniuMbroMide;tert-Butoxycarbonylmethyltriphenylphosphoniumbrom;carbo-tert-butoxymethyl triphenylphosphonium bromide;(tert-Butoxycarbonylmethyl)tripheenyphosphonium bromide;(TERT-BUTOXYCARBONYLMETHYL)TRIPHENYLPHOSPHONIUM BROMIDE;(tert-Butoxycarbonylmethyl)triphenylphosphanium bromide;(2-(tert-Butoxy)-2-	59159-39-6	C24H26BrO2P	457.34	
	Triphenylphosphine Oxide	NSC 398; PP 560; TPPO; Triphenyl Phosphorus Oxide; Triphenylphosphine Monoxide; Orlistat Related Compound C	791-28-6	C18H15OP	278.28	
	2-Ethenylbenzaldehyde	2-Ethenylbenzaldehyde; Benzaldehyde, 2-ethenyl-; ETHENYLBENZALDEHYDE	28272-96-0	C9H8O	132.16	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Triphenylphosphine	PHOSPHORUSTRIPHENYL TPP TRIPHENYLPHOSPHINE,	603-35-0	C18H15P	262.29	
	(E)-3-(2-Formylphenyl)-2-Propenoic Acid 1,1-Dimethyl Ethyl Ester	(E)-3-(2-FORMYIPHENYL)-2-PROPENOIC ACID 1,1-DIMETHYL ETHYL ESTER;(e)-3-(2-formylphenyl)-2-propenoic acid 1,1-dimethyl ethyl ester;(E)-3-(2-Formylphenyl)-2-Prope;(E)-3-(2-FORMYLPHENYL)-2-PROPENOIC ACID 1,1-DIMETHYL ETHYL ESTER,80+%;(E)-tert-Butyl 3-(2-forMylphenyl)acrylate	103890-69-3	C14H16O3	232.28	
	Methylenetriphenylphosphine	Methylenetriphenylphosphine;methylene-tri(phenyl)phosphorane;methylidene-tri(phenyl)-$l^{5}-phosphane	3487-44-3	NA	NA	
	Cis Lacidipine	diethyl (Z)-4-(2-(3-(tert-butoxy)-3-oxoprop-1-en-1-yl)phenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate.Lacidipine BP Impurity C ; Lacidipine cis-Isomer ;	103890-79-5	C26H33NO6	455.54	
	Lacidipine Dimer	3-[2-(2-tert-Butoxycarbonyl-vinyl)-phenyl]-acrylic acid tert-butyl ester	926293-66-5	C20H26O4	330.42	

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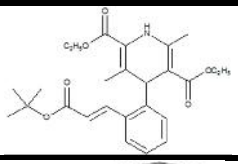
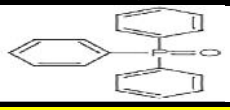
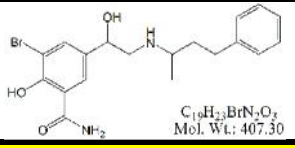
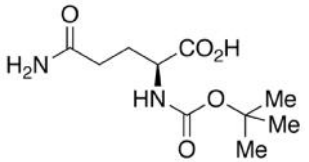
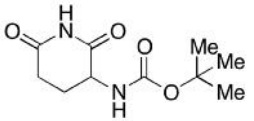
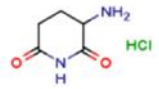
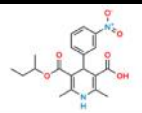
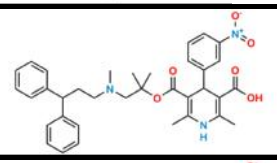
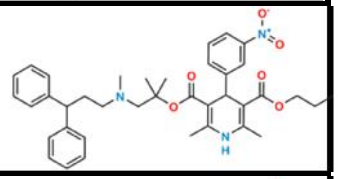
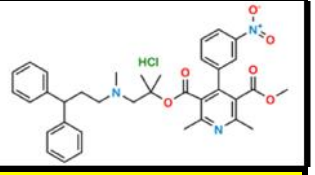
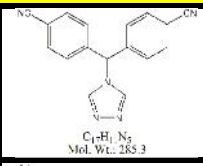
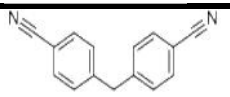
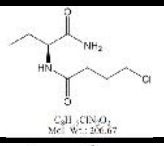
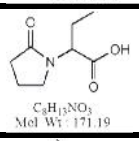
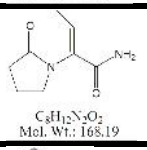
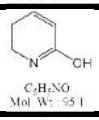
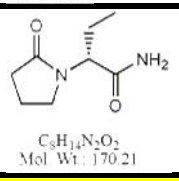
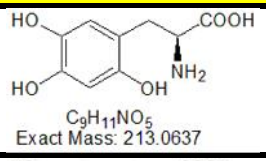
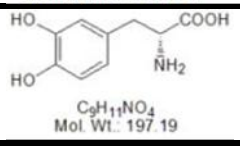
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lacidipine Regio Impurity	Lacidipine Regio Impurity	1160755-72-5	C23H33NO6	455.54	
	Lacidipine TPPO Impurity	Ph3PO, TPPO, Triphenyl phosphorus oxide, Triphenylphosphine monoxide	791-28-6	(C6H5)3PO	278.28	
	LABETALOL					
	Labetalol EP Impurity G	3-bromo-2-hydroxy-5-[1-hydroxy-2-[(1-methyl-3-phenylpropyl)amino]-ethyl]benzamide ;	NA	C19H23BrN2O3	407.30	
	LENALIDOMIDE					
	Lenalidomide Tert-Butoxycarbonyl-L-Glutamine	N2-[(1,1-Dimethylethoxy)carbonyl]-L-glutamine; N2-Carboxy-glutamine N-tert-Butyl Ester; (S)-2-[(tert-Butoxycarbonyl)amino]-4-carbamoylbutanoic Acid; BOC-glutamine; NSC 334370;	13726-85-7	C10H18N2O5	246.26	
	Lenalidomide Tert-Butyl (2,6-Dioxopiperidin-3-Yl)Carbamate	tert-Butyl Ester 2,6-Dioxo-3-piperidinecarbamic Acid; 1,1-Dimethylethyl Ester (2,6-Dioxo-3-piperidinyl)-carbamic Acid;	31140-42-8	C10H16N2O4	228.25	
	Lenalidomide 3-Aminopiperidine-2,6-Dione Hydrochloride	3-aminopiperidine-2,6-dione hydrochloride;	2686-86-4	C5H9ClN2O2	164.59	
	LERCANIDIPINE					

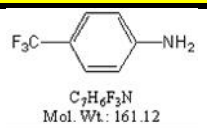
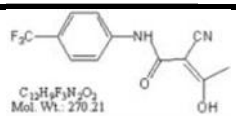
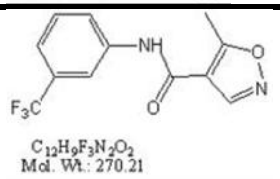
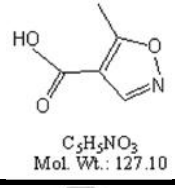
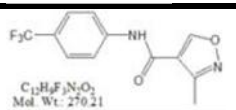
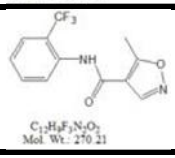
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lercanidipine Impurity A	1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 1-methylpropyl ester	74936-74-6	C19H22N2O6	374.39	
	Lercanidipine Impurity B	Lercanidipine Acid ; 1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-[(3,3-diphenylpropyl)methylamino]-1,1-dimethylethyl ester	1119226-97-9	C35H39N3O6	597.7	
	Lercanidipine Impurity C	Lercanidipine 5-Desmethyl-5-Propyl Ester ; 1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl) pyridine-3,5-dicarboxylic acid 2-[N-(3,3-diphenylpropyl)-N-methylamino]-1,1-dimethyl ethyl propyl diester	1797124-83-4	C38H45N3O6	639.78	
	Lercanidipine Impurity D	Dehydro Lercanidipine HCl, 2,6-Dimethyl-4-(3-nitrophenyl)-pyridine-3,5-dicarboxylic acid 3-{2-[(3,3-diphenyl propyl)methylamino]-1,1-dimethyl ethyl}ester 5-methyl ester HCl	887769-34-8	C36H40ClN3O6	646.17	
	LETROZOLE					
	Letrozole EP Impurity A	4,4'-(4H-1,2,4-Triazol-4-ylmethylene)dibenzonitrile ;	112809-52-6	C17H11N5	285.3	
	Letrozole Impurity D	4,4'-(1-METHYLENE) BIS-BENZONITRILE;4,4'-(1-Methylene);4,4'-Dicyanodiphenylmethane;4,4'-(1-METHYLENE) BIS-BENZONITRILE;4-[(4-Cyanophenyl)methyl]benzonitrile;	10466-37-2	C15H8N2	218.25	
	LEVETIRACETAM					

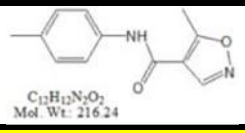
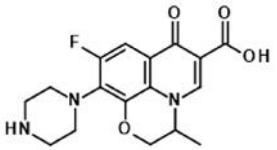
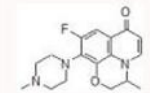
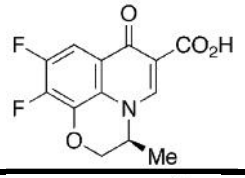
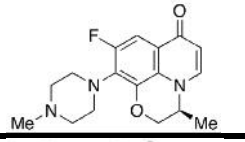
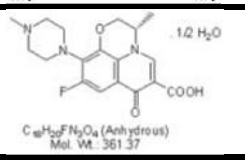
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Levetiracetam USP RC A	(S)-N-(1-Amino-1-oxobutan-2-yl)-4-chlorobutanamide ;	102767-31-7	C8H15ClN2O2	206.67	
	Levetiracetam EP Impurity A	(2RS)-2-(2-Oxopyrrolidin-1-yl)butanoic acid ;	67118-31-4	C8H13NO3	171.19	
	Levetiracetam EP Impurity B	(2Z)-2-(2-Oxopyrrolidin-1-yl)but-2-enamide ;	358629-47-7	C8H12N2O2	168.19	
	Levetiracetam EP Impurity C	Pyridin-2-ol ; 2-Pyridinol ; 2-Hydroxypyridine ;	142-08-5	C5H5NO	95.1	
	Levetiracetam EP Impurity D	(R)-Etiracetam ; Levetiracetam R-Isomer ; (2R)-2-(2-Oxopyrrolidin-1-yl)butanamide ;	103765-01-1	C8H14N2O2	170.21	
	LEVODOPA					
	Levodopa EP Impurity A	Levodopa USP Related Compound A ; (2S)-2-Amino-3-(2,4,5-trihydroxyphenyl)propanoic acid; 3-(3,4,6-Trihydroxyphenyl)-alanine ; 2-Hydroxy Levodopa ;	27244-64-0	C9H11NO5	213.0637	
	Levodopa EP Impurity D	Levodopa EP Impurity D ; D-Dopa ; (2R)-2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid ;	5796-17-8	C9H11NO4	197.19	

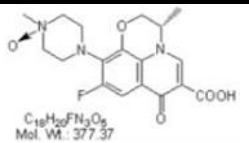
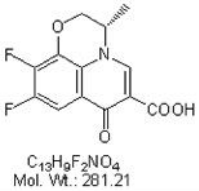
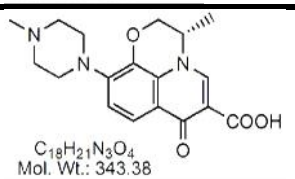
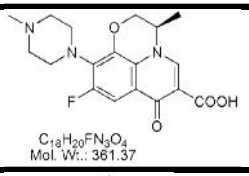
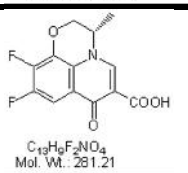
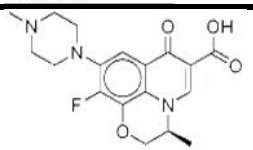
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	LEFLUNOMIDE					
	Leflunomide EP Impurity A	4-(Trifluoromethyl)aniline ;	455-14-1	C7H6F3N	161.12	
	Leflunomide EP Impurity B	N-(4-Trifluoromethylphenyl)-2-cyano-3-hydroxycrotonamide ;	163451-81-8 ; 108605-62-5 ;	C12H9F3N2O2	270.21	
	Leflunomide EP Impurity C	5-Methyl-N-[3-(trifluoromethyl)phenyl]-4-isoxazolecarboxamide ;	61643-23-0	C12H9F3N2O2	270.21	
	Leflunomide EP Impurity D	5-Methyl-4-isoxazolecarboxylic Acid ;	42831-50-5	C5H5NO3	127.10	
	Leflunomide EP Impurity E	3-Methyl-N-[4-(trifluoromethyl)phenyl]isoxazole-4-carboxamide ;	208401-20-1	C12H9F3N2O2	270.21	
	Leflunomide EP Impurity F	5-Methyl-N-[2-(trifluoromethyl)phenyl]-4-isoxazolecarboxamide ;	1403564-06-6	C12H9F3N2O2	270.21	

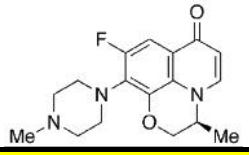
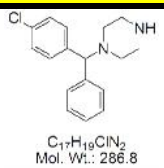
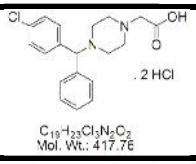
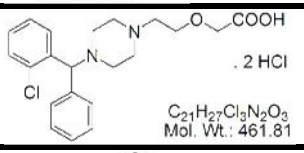
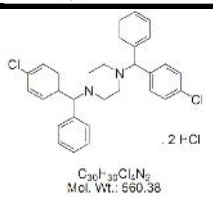
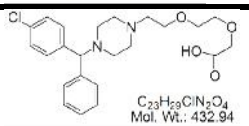
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Leflunomide EP Impurity G	5-Methyl-N-(4-methylphenyl)isoxazole-4-carboxamide ;	724429-16-7	C12H12N2O2	216.24	
	LEVOFLOXACIN					
	Levofloxacin EP Impurity A	9-Fluoro-3-methyl-7-oxo-10-(piperazin-1yl)-2,3-dihydro-7H-pyrido[1,2,3-de]-1,4-benzo oxazin-6- carboxylic acid.	82419-52-1	NA	347.34	
	Levofloxacin EP Impurity B	9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine(Decarboxylated.	NA	NA	NA	
	Levofloxacin Carboxylic Acid	(3S)-9,10-Difluoro-2,3-dihydro-3-methyl-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic Acid; Levofloxacin Q-Acid; USP Levofloxacin Related Compound B;	100986-89-8	C13H9F2NO4	281.21	
	Descarboxyl Levofloxacin	(3S)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7H-pyrido[1,2,3-de]-1,4-benzoxazin-7-one;	178964-53-9	C17H20FN3O2	317.36	
	Levofloxacin Hemihydrate	(-)-(S)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid hemihydrate ;	100986-85-4	C18H20FN3O4	361.37	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Levofloxacin N-Oxide	(-)-(S)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid N-oxide ;	117678-37-2	C18H20FN3O5	377.37	
	Levofloxacin Impurity F	Levofloxacin USP RC B ; Levofloxacin Difluoro Carboxylic Acid ; (S)-9,10-Difluro-3-methyl-7-oxo-2,3-dihydro-7H-pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid ;	100986-89-8	C13H9F2NO4	281.21	
	Levofloxacin Desfluoro Impurity	Levofloxacin USP RC F ;(-)-(S)-2,3-Dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid ;	117620-85-6	C18H21N3O4	343.38	
	Levofloxacin R-Isomer	(+)-(R)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid ; (R)-(+)-Ofloxacin ; D-Ofloxacin ; Ofloxacin R-Isomer ; Levofloxacin D-Isomer ;	100986-86-5	C18H20FN3O4	361.37	
	Levofloxacin Q-Acid	Levofloxacin USP RC B ;Levofloxacin Difluoro Carboxylic Acid ; (S)-9,10-Difluro-3-methyl-7-oxo-2,3-dihydro-7H-pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid	100986-89-8	C13H9F2NO4	281.21	
	Levofloxacin 9-Piperazino	9-Piperazino Levofloxacin;Levofloxacin 9-Piperazinyl Isomer;9-Piperazine Levofloxacin IMpurity;9-Piperazino Levofloxacin IMpurity;(S)-10-fluoro-3-methyl-9-(4-methylpiperazin-1-yl)-7-oxo-2,3-dihydro-7H-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxylic acid;	178912-62-4	C18H20FN3O4	361.38	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Levofloxacin Ethyl Ester	Levofloxacin USP Related Compound C ; Levofloxacin Ethyl Ester ; Ethyl (S)-9-fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylate ;	177472-30-9	C17H20FN3O2	317.36	
	LEVOCETIRIZINE					
	Levocetirizine EP Impurity A	(RS)-1-[(4-Chlorophenyl)phenylmethyl]piperazine ;	303-26-4	C17H19ClN2	286.8	
	Levocetirizine EP Impurity B	(RS)-2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]acetic acid dihydrochloride ;	942132-30-1	C19H23Cl3N2O2	417.76	
	Levocetirizine EP Impurity C	(RS)-2-[2-[4-[(2-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy] acetic acid dihydrochloride ;	83881-59-8 (base)	C21H27Cl3N2O3	461.81	
	Levocetirizine EP Impurity D	1,4-bis[(4-Chlorophenyl)phenylmethyl]piperazine dihydrochloride ;	346451-15-8 (base) ;	C30H30Cl4N2	560.38	
	Levocetirizine EP Impurity E	(RS)-2-[2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy] ethoxy] acetic acid ;	682323-77-9	C23H29ClN2O4	432.94	

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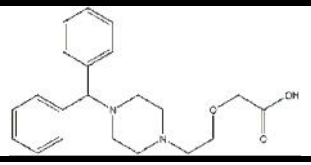
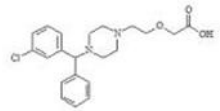
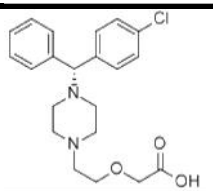
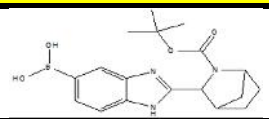
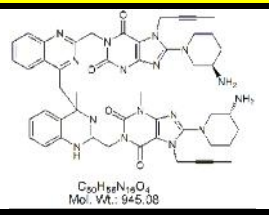
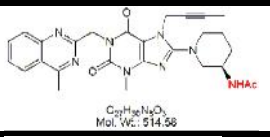
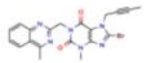
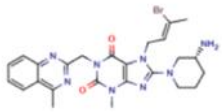
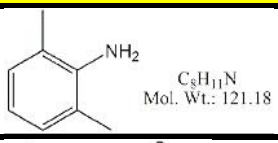
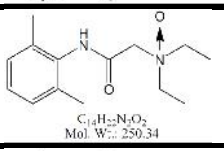
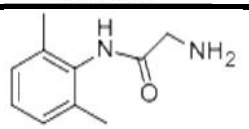
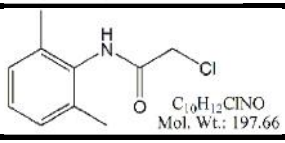
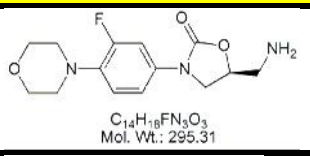
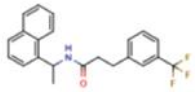
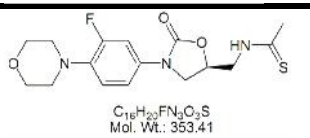
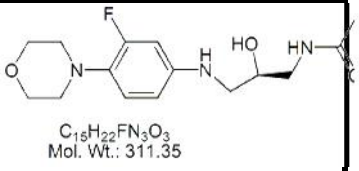
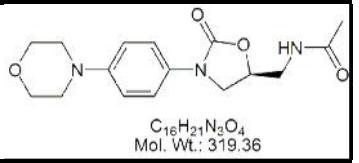
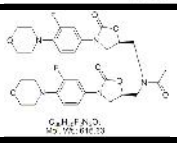
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Levocetirizine EP Impurity F	Acetic acid, 2-[2-[4-(diphenylMethyl)-1-piperazinyl]ethoxy]-;Deschloro Cetirizine	83881-53-2	C21H26N2O3	354.44	
	Levocetirizine 3-Chloro Impurity	NA	1232460-31-9	C21H25ClN2O3	388.90	
	Levocetirizine R-Isomer	(R)-Cetirizine;Levocetirizine-d4;(R)-Cetirizine-d4;Cetirizine R-Isomer;-2-(2-(4-((4-Chlorophenyl);LevocetirizineHydrochloride	130018-77-8	C21H25ClN2O3	388.89	
	LEDIPASVIR					
	Ledipasvir Boronic Acid	2-(2-(tert-butoxycarbonyl)-2-aza-bicyclo[2.2.1]heptan-3-yl)-1H-benzo[d]imidazol-5-yl-5-boronic acid.	NA	C18H24BN3O4	357.21	
	LINAGLIPTIN					
	Linagliptin Dimer Impurity	8-[(3R)-3-Amino-1-piperidinyl]-1-[[4-[[2-[[8-[(3R)-3-amino-1-piperidinyl]-7-(2-butyn-1-yl)-2,3,6,7-tetrahydro-3-methyl-2,6-dioxo-1H-purin-1-yl]methyl]-1,4-dihydro-4-ethyl-4-quinazolinyl]methyl]-2-quinazolinyl]methyl]-7-(2-butyn-1-yl)-3,7-dihydro-3-methyl-1H-purine-2,6-dione ;	1418133-47-7	C50H56N16O4	945.08	

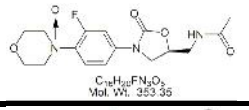
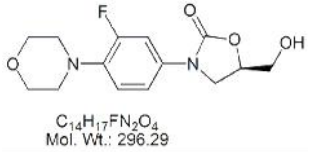
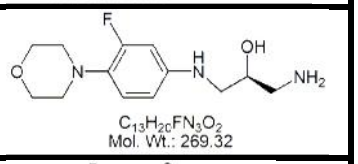
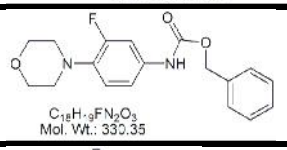
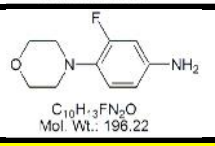
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Linagliptin N-Acetyl Impurity	8-[(3R)-3-Acetylamino-1-piperidinyl]-7-(2-butyn-1-yl)-3,7-dihydro-3-methyl-1-[(4-methyl-2-quinazolinyl)methyl]-1H-purine-2,6-dione ;	1803079-49-3	C27H30N8O3	514.58	
	Linagliptin Impurity 1	1-[(4-Methylquinazolin-2-yl)methyl]-3-methyl-7-(2-butyn-1-yl)-8-bromoxanthin	853029-57-9	C20H17BrN6O2	453.29	
	Linagliptin Impurity 2	8-[(3R)-3-Amino-1-piperidinyl]-7-[(2E/Z)-3-bromo-2-buten-1-yl]-3,7-dihydro-3-methyl-1-[(4-methyl-2-quinazolinyl)methyl]-1H-purine-2,6-dione; Linagliptin Impurity S	1638744-06-5	C25H29BrN8O2	553.45	
	LIDOCAINE					
	Lidocaine BP Impurity A	Bupivacaine EP Impurity F ; Lidocaine USP Impurity A ; 2,6-Dimethylaniline ;	87-62-7	C8H11N	121.18	
	Lidocaine BP Impurity B	Lidocaine N-Oxide ; 2-(Diethylazinoyl)-N-(2,6-dimethylphenyl)acetamide ;	2903-45-9	C14H22N2O2	250.34	
	Glycene Xyldide	glycinexylidide;2-Amino-2',6'-dimethylacetoanilide;GX;N-(2,6-Dimethylphenyl)-2-aminoacetamide;N-(2,6-Dimethylphenyl)glycinamide.	18865-38-8	C10H14N2O	178.23	
	Lidocaine BP Impurity H	2-Chloro-N-(2,6-dimethylphenyl)acetamide ;	1131-01-7	C10H12ClNO	197.66	

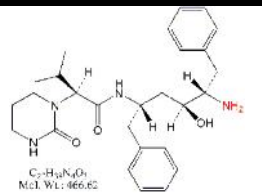
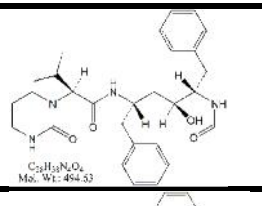
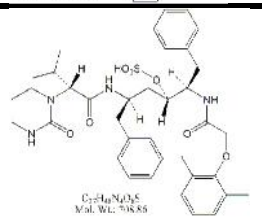
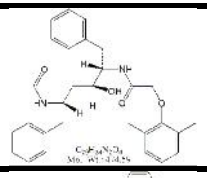
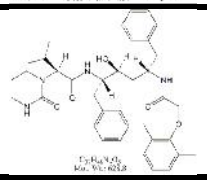
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	LINEZOLID					
	Linezolid Impurity A	Linezolid USP Related Compound C ; Linezolid Desacetyl Analog ; (5S)-5-(Aminomethyl)-3-[3-fluoro-4-(4-morpholinyl)phenyl]-2-oxazolidinone ;	168828-90-8	C14H18FN303	295.31	
	Linezolid USP RC A	Linezolid USP Related Compound A ; Linezolid Desacetamide Azide ; (5R)-5-(Azidomethyl)-3-[3-fluoro-4-(4-morpholinyl)phenyl]-2-oxazolidinone ;	168828-84-0	C14H16FN5O3	321.31	
	Linezolid USP RC B	ThioLinezolid ; (S)-N-{[3-(3-Fluoro-4-morpholinophenyl)-2-oxooxazolidin-5-yl]methyl} thioacetamide ;	NA	C16H20FN3O3S	353.41	
	Linezolid Impurity B	Linezolid Descarbonyl (R)-Isomer;N,O-Descarbonyl (R)-Linezolid ; N-[(2R)-3-[[3-Fluoro-4-(4-morpholinyl)phenyl]amino]-2-hydroxypropyl] acetamide ;	333753-67-6	C15H22FN3O3	311.35	
	Linezolid Impurity C	Linezolid Desfluoro Impurity ; N-[[(5S)-3-[4-(4-Morpholinyl)phenyl]-2-oxo-5-oxazolidinyl] methyl] acetamide ;	556801-15-1	C16H21N3O4	319.36	
	Linezolid Impurity F	Linezolid Dimer ;N,N-bis{[[(5S)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-2-oxo-5-oxazolidinyl] methyl]} acetamide ;	908143-04-4	C30H35F2N5O7	615.63	

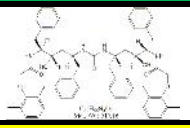
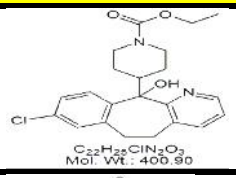
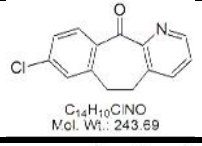
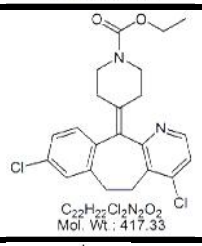
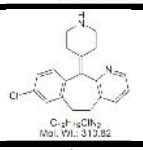
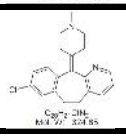
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Linezolid N-Oxide	N-[[(5S)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-2-oxo-5-oxazolidinyl] methyl]acetamide N-oxide ;	189038-36-6	C16H20FN3O5	353.35	
	Linezolid Impurity D	Linezolid USP RC D ; Linezolid Mesylate Impurity ; (5R)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-5-[[(methylsulfonyl)oxy]methyl]-2-oxazolidinone ;	174649-09-3	C15H19FN2O6S	374.38	
	Linezolid Hydroxymethyl Impurity	Linezolid Desacetamide Hydroxy Impurity ; Linezolid Hydroxymethyl Impurity ; (5R)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-5-(hydroxymethyl)-2-oxazolindinone ;	168828-82-8	C14H17FN2O4	296.29	
	Linezolid Descarbonyl N-Desacetyl Impurity	Linezolid Descarbonyl N-Desacetyl Impurity ; N-[(2R)-3-[[3-Fluoro-4-(4-morpholinyl)phenyl]amino]-2-hydroxypropyl]acetamide ;	333753-72-3	C13H20FN3O2	269.32	
	Linezolid Benzyl Impurity	Linezolid Benzyl Ester Impurity ; (3-Fluoro-4-morpholin-4-ylphenyl)carbamic acid benzyl ester ;	168828-81-7	C18H19FN2O3	330.35	
	Linezolid Amine Impurity	Linezolid Amine Impurity ; 3-Fluoro-4-(morpholin-4-yl)phenylamine ;	93246-53-8	C10H13FN20	196.22	
	LOPINAVIR					

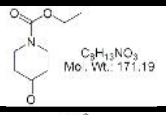
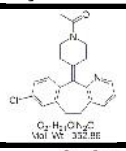
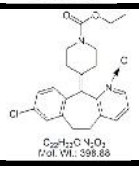
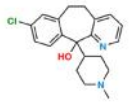
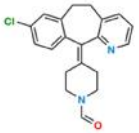
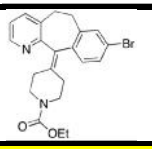
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lopinavir EP Impurity A	Lopinavir Free Amine (USP); Lopinavir USP Impurity A; (S)-N-[(2S,4S,5S)-5-Amino-4-hydroxy-1,6-diphenylhexan-2-yl]-3-methyl-2[2-oxotetrahydropyrimidin-1(2H)-yl]butanamide; (2S)-N-[(1S,3S,4S)-1-Benzyl-4-amino-3-hydroxy-5-phenylpentyl]-3-methyl-2-[2-oxotetrahydropyrimidin1(2H)-yl]butanamide.	NA	C27H38N4O3	466.62	
	Lopinavir EP Impurity B	Lopinavir USP Impurity B; N-Formylaminoalcohol; (2S)-N-[(1S,3S,4S)-1-Benzyl-4-(formylamino)-3-hydroxy5-phenylpentyl]-3-methyl-2-[2-oxotetrahydropyrimidin1(2H)-yl]butanamide;	NA	C28H38N4O4	494.63	
	Lopinavir EP Impurity D	Sulfo lopinavir, (1R,3R)-1-[(1R)-1-[[2-(2,6-Dimethylphenoxy)acetyl]amino]-2-phenylethyl]-3-[[(2R)-3-methyl-2-[2-oxotetrahydropyrimidin-1(2H)-yl]butanoyl]amino]-4-phenylbutyl hydrogen sulfate; (2S,3S,5S)-2-[2-(2,6-Dimethylphenoxy)acetamido]-5-{(S)-3-methyl-2-[2- oxotetrahydropyrimidin-1(2H)-yl]butanamido}-1,6-diphenylhexan-3-yl hydrogen sulfate; L	NA	C37H48N4O8S	708.86	
	Lopinavir EP Impurity F	Lopinavir USP F; Lopinavir N-Formylphenoxyacetamide (USP); N-[(1S,2S,4S)-1-Benzyl-4-(formylamino)-2-hydroxy-5-phenylpentyl]-2-(2,6-dimethylphenoxy)acetamide.	NA	C29H34N2O4	474.59	
	Lopinavir EP Impurity I	Lopinavir USP I; (2S)-N-[(1S,2S,4S)-1-Benzyl-4-[[2-(2,6-dimethylphenoxy)acetyl]amino]-2-hydroxy-5-phenylpentyl]-3-methyl-2-[2oxotetrahydropyrimidin-1(2H)-yl]butanamide.	NA	C37H48N4O5	628.8	

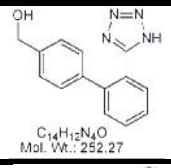
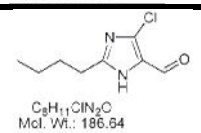
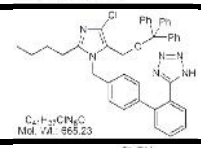
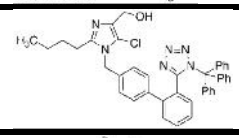
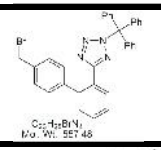
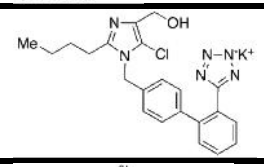
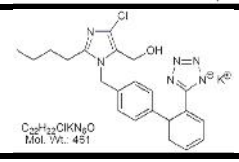
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lopinavir Impurity T	N,N?-Bis[(1S,3S,4S)-1-benzyl-4-[[2-(2,6-dimethylphenoxy)acetyl]amino]-3-hydroxy-5-phenylpentyl]urea ;	1797024-56-6	C57H66N4O7	919.16	
	LORATADINE					
	Loratadine EP Impurity A	8-Chloro-6,11-dihydro-11-[N-ethoxycarbonyl-4-piperidinyl]-11-hydroxy-5H-benzo[5,6] cyclohepta[1,2-b]pyridine ;	133284-74-9	C22H25ClN2O3	400.90	
	Loratadine EP Impurity B	8-Chloro-5,6-dihydro-11H-benzo[5.6] cyclohepta[1,2-b]pyridin-11-one ;	31251-41-9	C14H10ClNO	243.69	
	Loratadine EP Impurity C	4,8-Dichloro-6,11-dihydro-11-[N-ethoxy carbonyl-4-piperidylidene]-5H-benzo[5,6] cyclohepta[1,2-b]pyridine ;	165739-83-3	C22H22Cl2N2O2	417.33	
	Loratadine EP Impurity D	8-Chloro-6,11-dihydro-11-(4-piperidylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine ;	100643-71-8	C19H19ClN2	310.82	
	Loratadine EP Impurity G	8-Chloro-6,11-dihydro-11-(N-methyl-4-piperinylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine ;	38092-89-6	C20H21ClN2	324.85	

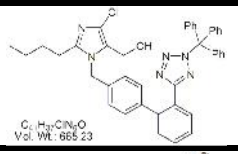
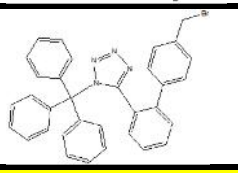
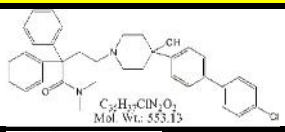
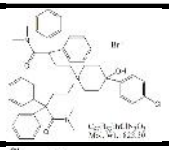
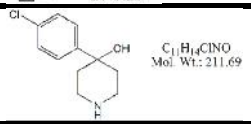
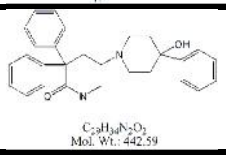
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Loratadine EP Impurity H	Ethyl 4-oxopiperidine-1-carboxylate ;	29976-53-2	C8H13NO3	171.19	
	Loratadine N-Acetyl Impurity	8-Chloro-6,11-dihydro-11-(N-acetyl-4-piperinylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine ;	117796-52-8	C21H21ClN2O	352.86	
	Loratadine N-Oxide	4-(8-Chloro-5,6-dihydro-1-oxido-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-1-piperidinecarboxylic acid ethyl ester ;	165739-62-8	C22H23ClN2O3	398.88	
	Loratadine USP Related Compound D	11-Hydroxy N-Methyl Dihydrodesloratadine ; 8-Chloro-6,11-dihydro-11-[N-methyl-4-piperidinyl]-11-hydroxy-5H-benzo[5,6] cyclohepta[1,2-b]pyridine.	38089-93-9	C20H23ClN2O	342.14	
	Loratadine N-Formyl Impurity	8-Chloro-6,11-dihydro-11-(N-formyl-4-piperinylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine.	117810-61-4	C20H19ClN2O	338.11	
	Bromo Loratadine	8-Deschloro-8-bromo Loratadine	130642-60-3	C??H??BrN?O?	427.33	
	LOSARTAN					

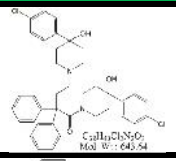
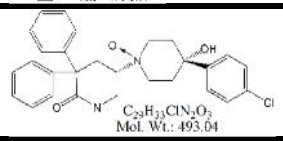
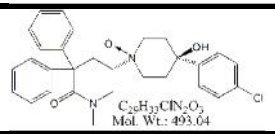
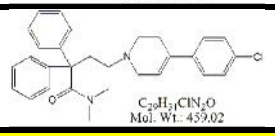
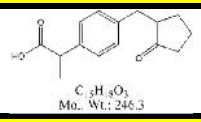
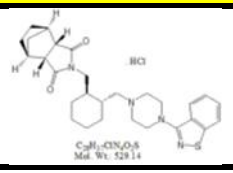
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Losartan EP Impurity B	Losartan Hydroxy Impurity ; Candesartan Hydroxy Impurity ; Irbesartan Hydroxy Impurity ; p-(o-1H-Tetrazol-5-ylphenyl)benzyl alcohol ;	NA	C14H12N4O	252.27	
	Losartan EP Impurity D	Losartan USP RC A ; 2-Butyl-4-chloro-1H-imidazole-5-carbaldehyde ;	83857-96-9	C8H11ClN2O	186.64	
	Losartan EP Impurity I	5-[4'-[[2-Butyl-4-chloro-5-[(triphenyl methoxy)methyl]-1H-imidazol-1-yl]methyl] [1,1'-biphenyl]-2-yl]-2H-tetrazole ;	1006062-28-7	C41H37ClN6O	665.23	
	N-Trityl Losartan Isomer	2-Butyl-5-chloro-1-[[2-[1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1-biphenyl]-4-yl]methyl]-1H-imidazole-4-methanol	133727-10-3	C41H37ClN6O	665.23	
	Losartan Bromo N2-Trityl Impurity	Candesartan Bromo N2-Trityl Impurity ; Losartan Bromo N2-Trityl Impurity ; 5-(4'-(Bromomethyl)(1,1'-biphenyl)-2-yl)-2-trityl-2H-tetrazole ;	133051-88-4	C33H25BrN4	557.48	
	Losartan Isomer Impurity, Potassium Salt	2-Butyl-5-chloro-1-[[2-(2H-tetrazol-5-yl)[1,1-biphenyl]-4-yl]methyl]-1H-imidazole-4-methanol Potassium Salt; Losartan Isomer Impurity; Losartan EP Impurity C	860644-28-6	C22H22ClKN6O	461	
	Losartan Potassium	Losartan MonoPotassium Salt ; 2-Butyl-4-chloro-1-[[2'-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-methanol monopotassium salt ;	124750-99-8	C22H22ClKN6O K	461	

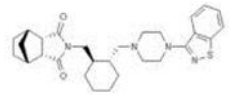
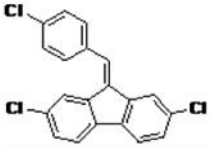
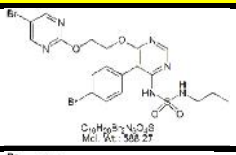
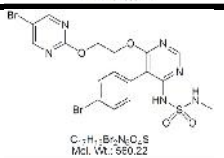
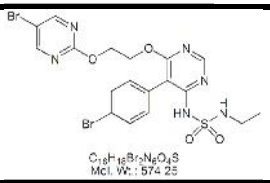
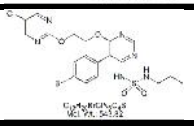
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Losartan EP Impurity H	Losartan N2-Trityl Impurity ; N2-Trityl Losartan ; 2-Butyl-4-chloro-1-[[2'-[2-(triphenylmethyl)-2H-tetrazol-5-yl][1,1'-biphenyl-4-yl]methyl]-1H-imidazole-5-methanol ;	133909-99-6	C41H37ClN6O	665.23	
	Losartan DI Bromo	5-[4-(Dibromomethyl)[1,1-biphenyl]-2-yl]-1-(triphenylmethyl)-1H-tetrazole	358685-13-9	C??H??Br?N?	636.38	
	LOPERAMIDE					
	Loperamide EP Impurity A	4-[4-(4?-Chlorobiphenyl-4-yl)-4-hydroxypiperidin-1-yl]-N,N-dimethyl-2,2-diphenylbutanamide ;	1391052-94-0	C35H37ClN2O2	553.13	
	Loperamide EP Impurity B	4-(4-Chlorophenyl)-1,1-bis[4-(dimethylamino)-4-oxo-3,3-diphenylbutyl]-4-hydroxypiperidinium bromide ;	NA	C47H53BrClN3O3	823.30	
	Loperamide EP Impurity C	4-(4-Chlorophenyl)piperidin-4-ol ; 4-(4-Chlorophenyl)-4-hydroxypiperidine ;	39512-49-7	C11H14ClNO	211.69	
	Loperamide EP Impurity D	4-(4-Hydroxy-4-phenylpiperidin-1-yl)-N,N-dimethyl-2,2-diphenylbutanamide ;	37743-41-2	C29H34N2O2	442.59	

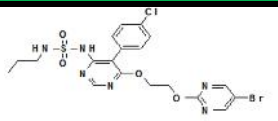
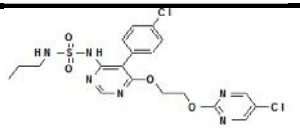
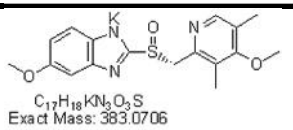
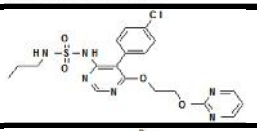
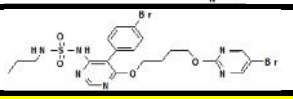
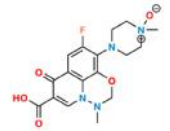
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Loperamide EP Impurity E	4-(4-Chlorophenyl)-1-[4-[4-(4-chlorophenyl)-4-hydroxypiperidin-1-yl]-2,2-diphenylbutanoyl]piperidin-4-ol.	NA	C38H40Cl2N2O3	643.64	
	Loperamide EP Impurity F	Loperamide USP RC F ; Loperamide Oxide ; 4-[Trans-4-(4-Chlorophenyl)-4-hydroxy-1-oxidopiperidin-1-yl]-N,N-dimethyl-2,2-diphenylbutanamide ;	106900-12-3	C29H33ClN2O3	493.04	
	Loperamide EP Impurity G	4-[Cis-4-(4-Chlorophenyl)-4-hydroxy-1-oxidopiperidin-1-yl]-N,N-dimethyl-2,2-diphenylbutanamide ;	106900-12-3	C29H33ClN2O3	493.04	
	Loperamide EP Impurity H	4-[4-(4-Chlorophenyl)-3,6-dihydropyridin-1(2H)-yl]-N,Ndimethyl-2,2-diphenylbutanamide ;	NA	C29H31ClN2O	459.02	
	LOXOPROFEN					
	Loxoprofen	Methyl-4-[(2-oxocyclopentyl)methyl]benzeneacetic acid ;	68767-14-6	C15H18O3	246.3	
	LURASIDONE					
	Lurasidone HCl	(3aR,4S,7R,7aS)-2-{(1R,2R)-2-[4-(1,2-Benzisothiazol-3-yl)piperazin-1-yl methyl] cyclohexylmethyl}hexahydro-4,7-methano-2H-isoindole-1,3-dione hydrochloride ;	367514-88-3	C28H37ClN4O2S	529.14	

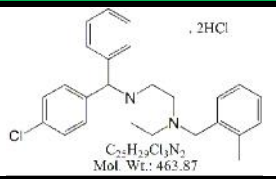
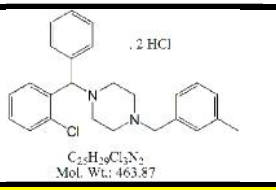
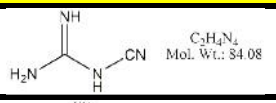
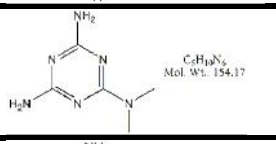
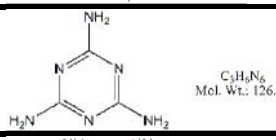
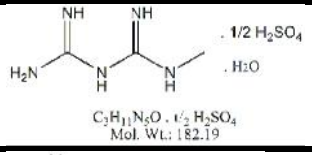
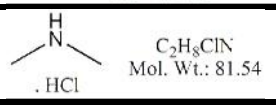
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Lurasidone Isomer I	(endo-1R,2R)-4-[2-(4-Benzo[d]isothiazol-3-yl-piperazin-1-ylmethyl)-cyclohexylmethyl]-4-aza-tricyclo[5.2.1.02,6]decane-3,5-dione.	NA	C28H36N4O2S	492.68	
	LUMIFANTRINE					
	Lumifantrine Impurity I	2,7-Dichlorofluorene-9-para chloro benzene methylene	4364-35-6	C20H11Cl3	357.66	
	MACITENTAN					
	Macitentan	N-[5-(4-Bromophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N&#65533;- propyl-Sulfamide ;	441798-33-0	C19H20Br2N6O4S	588.27	
	Macitentan Impurity A	Macitentan N-Despropyl-N-Methyl Impurity ; Macitentan N-methyl Analog ; N-[5-(4-Bromophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N&#65533;-methylsulfamide ;	441798-25-0	C17H16Br2N6O4S	560.22	
	Macitentan Impurity B	Macitentan N-Despropyl-N-Ethyl Impurity ;Macitentan N-Ethyl Analog ; N-[5-(4-Bromophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N&#65533;-ethylsulfamide ;	441796-13-0	C18H18Br2N6O4S	574.25	
	Macitentan Impurity 1	Macitentan 5-Desbromo-5-Chloro Impurity ; N-[5-(4-Bromophenyl)-6-[2-[(5-chloro-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N&#65533;- propyl-Sulfamide ;	NA	C19H20BrClN6O4S	543.82	

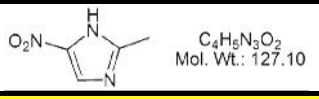
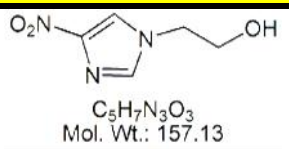
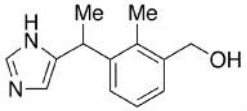
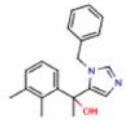
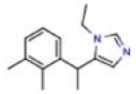
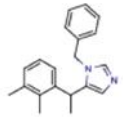
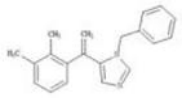
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Macitentan Impurity 2	N-[5-(4-Chlorophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N'- propyl-Sulfamide.	NA	C19H20BrClN6O4S	543.82	
	Macitentan Impurity 3	N-[5-(4-Chlorophenyl)-6-[2-[(5-chloro-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N'- propyl-Sulfamide.	NA	C19H20Cl2N6O4S	499.37	
	Macitentan Impurity 4	N-[5-(phenyl)-6-[2-[(5-chloro-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N'- propyl-Sulfamide;	NA	C19H21ClN6O4S	464.93	
	Macitentan Impurity 5	N-[5-(4-chlorophenyl)-6-[2-[(2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N'- propyl-Sulfamide;	NA	C19H21ClN6O4S	464.93	
	Macitentan Impurity 6	Diethylene glycol impurity of Mecitentan;	NA	C21H24Br2N6O4S	616.33	
	MARBOFLOXACIN					
	Marbofloxacin Impurity F	Marbofloxacin N-oxide ; 4-(6-carboxy-9-fluoro-3-methyl-7-oxo-2,3-dihydro-7H-[1,3,4]oxadiazino[6,5,4-ij]quinolin-10-yl)-1-methylpiperazine 1-oxide	194023-72-8	C17H19FN4O5	378.4	
	MECLIZINE					

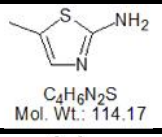
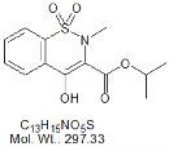
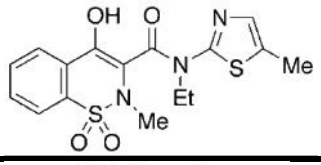
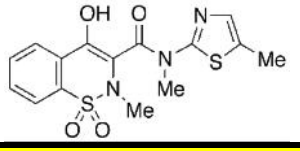
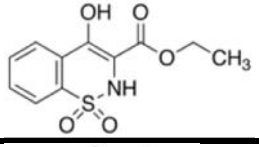
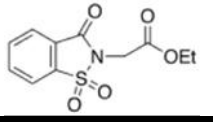
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Meclizine USP RC B	Isomeclizine Dihydrochloride ; Meclizine ortho-Methyl Isomer Dihydrochloride ; 1-[(4-Chlorophenyl)(phenyl)methyl]-4-(2-methylbenzyl)piperazine dihydrochloride ;	NA	C25H29Cl3N2	463.87	
	Meclizine Ortho-Chloro Isomer (USP)	Meclizine ortho-Chloro Isomer (USP) ; 1-[(2-Chlorophenyl)(phenyl)methyl]-4-(3-methylbenzyl) piperazine dihydrochloride ;	NA	C25H29Cl3N2	463.87	
	METFORMIN					
	Metformin EP Impurity A	Metformin EP Impurity A ; Metformin USP RC A ; 1-Cyanoguanidine ;	461-58-5	C2H4N4	84.08	
	Metformin EP Impurity C	N,N-Dimethyl-1,3,5-triazine-2,4,6-triamine ;	1985-46-2	C5H10N6	154.17	
	Metformin EP Impurity D	Metformin EP Impurity D ; Melamine ; 1,3,5-Triazine-2,4,6-triamine ;	108-78-1	C3H6N6	126.12	
	Metformin EP Impurity E	Metformin EP Impurity E ; Metformin USP RC B ; N-Desmethyl Metformin Hemisulfate Monohydrate ; 1-Methyl Biguanide Hemisulfate Monohydrate ;	36801-25-9	C3H11N5O4S	213.22	
	Metformin EP Impurity F	N-Methylmethanamine HCl ; Dimethylamine HCl ;	506-59-2	C2H8ClN	81.54	

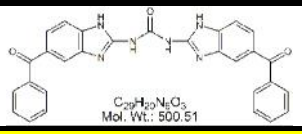
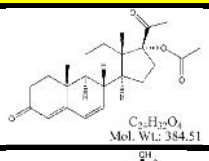
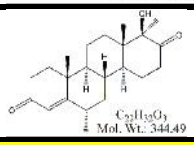
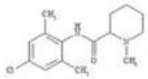
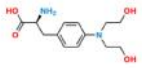
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Metronidazole EP Impurity A	Metronidazole Benzoate EP Impurity B ; 2-Methyl-4-nitroimidazole ;	696-23-1	C4H5N3O2	127.10	
	METRONIDAZOLE					
	Metronidazole Impurity C	2-(4-Nitro-1H-imidazol-1-yl)ethanol ; 4-Nitro-1H-imidazole-1-ethanol ;	5006-69-9	C5H7N3O3	157.13	
	3-Hydroxy Medetomidine	3-[1-(1H-Imidazol-5-yl)ethyl]-2-methylbenzenemethanol;	128366-50-7	C13H16N2O	216.28	
	N-Benzyl Hydroxy Medetomidine	NA	NA	C20H22N2O	306.4	
	Ethyl Medetomidine	NA	NA	C15H20N2	228.33	
	N-Benzyl Medetomidine	1-(1-Benzyl-1H-imidazol-5-yl)-1-(2,3-di-methylphenyl)ethanol;	NA	C20H22N2O	306.4	
	N-Benzyl Venyl Analog Medetomidine	NA	NA	C20H20N2	288.40	
	MELOXICAM					

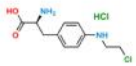
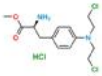
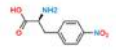
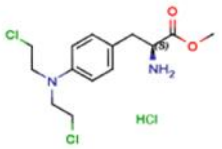
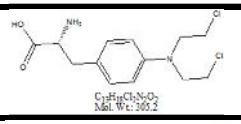
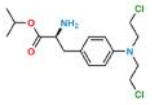
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Meloxicam EP Impurity B	Meloxicam EP Impurity B ; Meloxicam USP RC B ; Meloxicam BP Impurity B ; 2-Amino-5-methyl-thiazole ;	7305-71-7	C4H6N2S	114.17	
	Meloxicam EP Impurity F	Meloxicam EP Impurity F ; Piroxicam EP Impurity L ; Isopropyl 4-hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylate 1,1-dioxide ;	NA	C13H15NO5S	297.33	
	Amido Ethyl Meloxicam	NA	881399-30-0	C16H17N3O4S2	379.45	
	Amido Methyl Meloxicam	4-Hydroxy-N,2-dimethyl-N-(5-methyl-2-thiazolyl)- 2H-1,2-benzothiazine- 3-carboxamide 1,1-Dioxide;	892395-41-4	C15H15N3O4S2	365.43	
	PIROXICAM					
	Piroxicam Impurity H	4-Hydroxy-2H-1,2-benzothiazine-3-carboxylic Acid Ethyl Ester 1,1-Dioxide; Piroxicam Impurity H;	24683-21-4	C11H11NO5S	269.27	
	Piroxicam Impurity E	3-Oxo-1,2-benzisothiazole-2(3H)-acetic Acid Ethyl Ester 1,1-Dioxide; Ethyl (1,1-Dioxido-3-oxo-1,2-benzisothiazol-2(3H)-yl)acetate; Piroxicam Impurity E;	24683-20-3	C11H11NO5S	269.27	

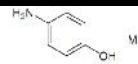
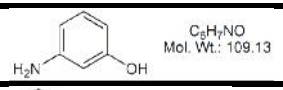
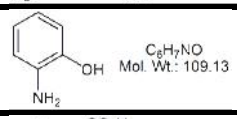
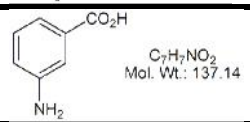
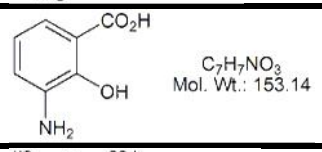
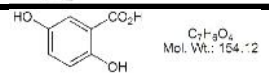
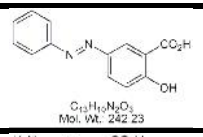
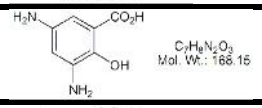
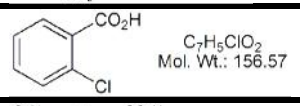
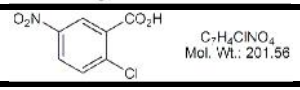
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Mebendazole EP Impurity G	N,N?-bis(5-Benzoyl-1H,-benzimidazol-2-yl)urea ;	129165-82-8	C29H20N6O3	500.51	
	MEDROXYPROGESTERONE					
	Medroxyprogesterone Acetate EP Impurity G	6-Methyl-3,20-dioxopregna-4,6-dien-17-yl acetate ;	595-33-5	C24H32O4	384.51	
	Medroxyprogesterone Acetate EP Impurity I	17a?-Hydroxy-6,17a-dimethyl-D-homoandrost-4-ene-3,17-dione ;	NA	C22H32O3	344.49	
	MEPIVACAINE					
	Mepivacaine Impurity E	Mepivacaine EP Impurity E	NA	C15H21ClN2O	280.80	
	MELPHALAN					
	Melphalan	4-[Bis(2-Chloroethyl)amino]-L-phenylalanine ;	148-82-3	C13H18Cl2N2O2	305.2	
	Melphalan Impurity A	Dihydroxy Melphalan	72143-20-5	C13H20N2O4	268.3	

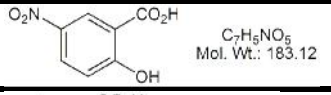
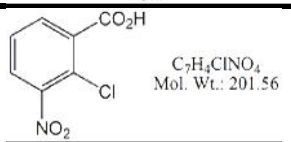
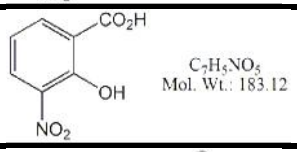
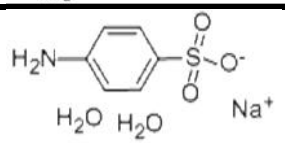
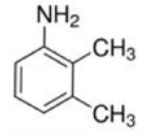
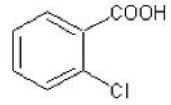
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Melphalan Impurity C	Melphalan Mono-chloroethyl Impurity HCl	573704-41-3	C11H15ClN2O2. HCl	242.71	
	Melphalan Impurity D	Monohydroxy Melphalan; Monochloro Melphalan;	61733-01-5	C13H19ClN2O3	286.7	
	Melphalan Impurity H	Melphalan Methyl Ester	62978-52-3	C14H21Cl3N2O2	355.68	
	Melphalan Impurity K	N-Ethylethanamine Hydrochloride	109-89-7	C4H12ClN	109.60	
	Melphalan Impurity 1	4-Nitro-L-phenylalanine Hydrate	949-99-5	C9H10N2O4	210.19	
	Melphalan Methyl Ester Hydrochloride	4-[Bis(2-chloroethyl)amino]-L-phenylalanine Methyl Ester Hydrochloride; 4-[Bis(2-chloroethyl)amino]-L-phenylalanine Methyl Ester Monohydrochloride; NSC 133726	62978-52-3	C??H??Cl?N?O?	355.69	
	Melphalan Enatiomer	Melphlan R isomer; (2R)-2-amino-3-{4-[bis(2-chloroethyl)amino]phenyl}propanoic acid	NA	C13H18Cl2N2O2	305.2	
	Melphalan Isopropyl Ester	isopropyl (S)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoate	NA	C16H24Cl2N2O2	347.29	
	MESALAMINE					

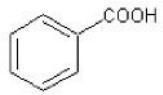
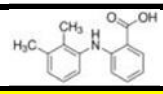
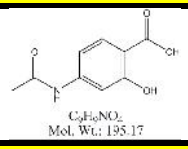
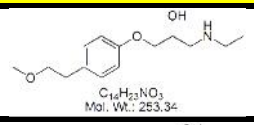
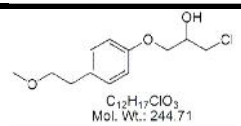
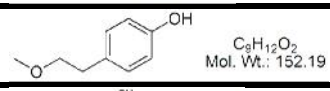
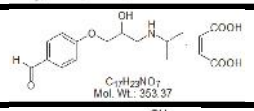
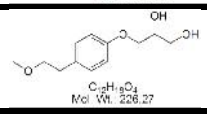
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Mesalamine EP Impurity A	4-Aminophenol	123-30-8	C6H7NO	109.13	
	Mesalamine EP Impurity B	3-Aminophenol ;	591-27-5	C6H7NO	109.13	
	Mesalamine EP Impurity C	2-Aminophenol ;	95-55-6	C6H7NO	109.13	
	Mesalamine EP Impurity D	3-Aminobenzoic acid ;	99-05-8	C7H7NO2	137.14	
	Mesalamine EP Impurity F	3-Amino-2-hydroxybenzoic acid ;	570-23-0	C7H7NO3	153.14	
	Mesalamine EP Impurity G	2,5-Dihydroxybenzoic acid ;	490-79-9	C7H6O4	154.12	
	Mesalamine EP Impurity I	Phenylazosalicylic Acid ; 2-Hydroxy-5-(phenyldiazenyl)benzoic acid ;	3147-53-3	C13H10N2O3	242.23	
	Mesalamine EP Impurity J	Diaminosalicylic Acid ; 3,5-Diamino-2-hydroxybenzoic acid ;	112725-89-0	C7H8N2O3	168.15	
	Mesalamine EP Impurity L	2-Chlorobenzoic acid ;	118-91-2	C7H5ClO2	156.57	
	Mesalamine EP Impurity M	2-Chloro-5-nitrobenzoic acid ;	2516-96-3	C7H4ClNO4	201.56	

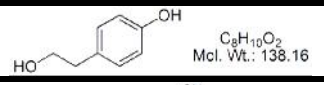
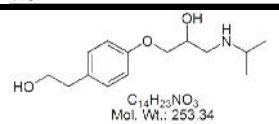
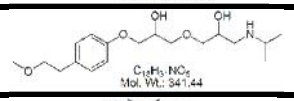
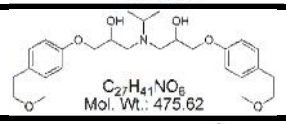
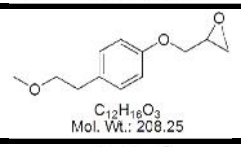
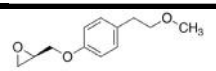
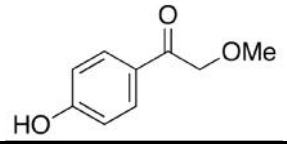
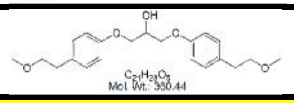
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Mesalamine EP Impurity N	5-Nitrosalicylic Acid ; 2-Hydroxy-5-nitrobenzoic acid ;	96-97-9	C7H5NO5	183.12	
	Mesalamine EP Impurity Q	2-Chloro-3-nitrobenzoic acid ;	3970-35-2	C7H4ClNO4	201.56	
	Mesalamine EP Impurity R	2-Hydroxy-3-nitrobenzoic acid ;	85-38-1	C7H5NO5	183.12	
	Monosodium Salt/Impurity O	Ccris 7446;Einecs 208-208-5;SODIUM SULFANILATE;sodiumsulphanilate;Sodium sulfanylate;SODIUM ANILINESULFONATE;AMino benzene sulfonate;4-AMPYRONE 99% HIGH GRADE;4-SULFOANILINE SODIUM SALT;p-Sulfoaniline sodium salt	515-74-2	C6H6NNaO3S	195.17	
	MEFENAMIC ACID					
	Mefenamic Acid Impurity A	1-Amino-2,3-dimethylbenzene, 2,3-Dimethylaniline, 2,3-Xylidine, 3-Amino-o-xylene, CN-Cbl	87-59-2	(CH3)2C6H3NH2	121.18	
	Mefenamic Acid Impurity C	2-chlorobenzoic acid	118-91-2	C7H5ClO2	156.56	

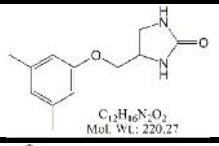
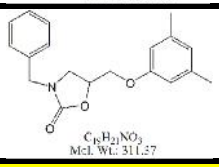
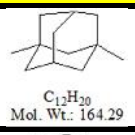
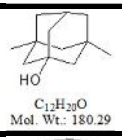
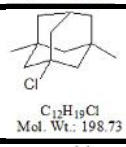
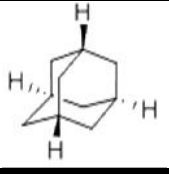
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Mefenamic Acid Impurity D	Benzoic acid	65-85-0	C7H6O2	122.12	
	Mefenamic Acid Standard	2-[(2,3-Dimethylphenyl)amino]benzoic acid, N-(2,3-Xylyl)anthranilic acid	61-68-7	C15H15NO2	241.29	
	METOCLOPRAMIDE					
	Metoclopramide EP Impurity H	4-(Acetylamino)-2-hydroxybenzoic acid ;	50-86-2	C9H9NO4	195.17	
	METOPROLOL					
	Metoprolol EP Impurity A	(2RS)-1-(Ethylamino)-3-[4-(2-methoxyethyl)phenoxy]propan-2-ol ;	109632-08-8	C14H23NO3	253.34	
	Metoprolol USP RC B	(+/-)1-Chloro-2-hydroxy-3-[4-(2-methoxyethyl)phenoxy]-propane ;	56718-76-4	C12H17ClO3	244.71	
	Metoprolol EP Impurity B	4-(2-Methoxyethyl)phenol ;	56718-71-9	C9H12O2	152.19	
	Metoprolol EP Impurity C	4-[(2RS)-2-Hydroxy-3-[(1-methylethyl)amino]propoxy]benzaldehyde maleate ;	29122-74-5	C13H19NO3	237.29	
	Metoprolol EP Impurity D	(2RS)-3-[4-(2-Methoxyethyl)phenoxy]propane-1,2-diol ;	62572-90-1	C12H18O4	226.27	

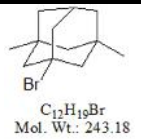
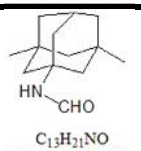
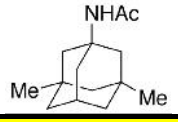
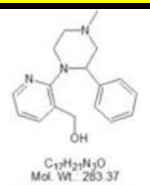
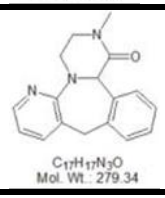
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Metoprolol EP Impurity G	2-(4-Hydroxyphenyl)ethanol ;	501-94-0	C8H10O2	138.16	
	Metoprolol EP Impurity H	4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-benzeneethanol ; (2RS)-1-[4-(2-Hydroxyethyl)phenoxy]-3-[(1-methylethyl)amino]propan-2-ol ;	62572-94-5	C14H23NO3	253.34	
	Metoprolol EP Impurity J	1-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-3-[4-(2-methoxyethyl)phenoxy]propan-2-ol ;	163685-37-8	C18H31NO5	341.44	
	Metoprolol EP Impurity O	Metoprolol EP Impurity O ; Metoprolol USP RC D ; 1,1-[(1-Methylethyl)imino]bis[3-[4-(2-methoxyethyl)phenoxy] propan-2-ol] ;	154784-36-8	C27H41NO6	475.62	
	Metoprolol Epoxy Methoxyethyl Impurity	1-[2-(2-Methoxyethyl)phenyoxy]-2,3-epoxypropane ;	56718-70-8	C12H16O3	208.25	
	(R)-3-[4-(2-Methoxyethyl)Phenoxy]-1,2-Epoxypropane	(-)-4-(2-Methoxyethyl)phenyl Glycidyl Ether; (R)-[[4-(2-Methoxyethyl)phenoxy]methyl]oxirane;	133397-54-3	C12H16O3	208.25	
	2-Methoxy-4'-Hydroxyacetophenone	1-(4-Hydroxyphenyl)-2-methoxyethanone; 4'-Hydroxy-2-methoxyacetophenone; 2-Methoxy-1-(4-hydroxyphenyl)ethanone.	32136-81-5	C9H10O3	166.17	
	Metaprolol Dimer	1,3-bis[4-(2-Methoxyethyl) phenoxy]propan-2-ol ;	230975-30-1	C21H28O5	360.44	
	METAXALONE					

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Metaxalone USP RC A	4-((3,5-Dimethylphenoxy)methyl)imidazolidin-2-one ;	NA	C12H16N2O2	220.27	
	Metaxalone N-Benzyl Impurity	3-Benzyl-5-((3,5-dimethylphenoxy)methyl)oxazolidin-2-one ;	NA	C19H21NO3	311.37	
	MEMANTINE					
	Memantine USP RC A	1,3-Dimethyladamantane ;	702-79-4	C12H20	164.29	
	Memantine USP RC B	3,5-Dimethyladamantane-1-ol ;	707-37-9	C12H20O	180.29	
	Memantine USP RC C	1-Chloro-3,5-dimethyladamantane ;	707-36-8	C12H19Cl	198.73	
	Adamantane	ADAMANTANE;LABOTEST-BB LT00007844;HOMOADAMANTANE;TRICYCLO[3.3.1.1]DECANE;TRICYCLO[3.3.1.13,7]DECANE;TRICYCLODECANE;[6]diadamantane;3,5,1,7-[1,2,3,4]butanetetraylnaphthalene,decahydro-	281-23-2	C10H16	136.23	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Memantine USP RC D	1-Bromo-3,5-dimethyladamantane ;	941-37-7	C12H19Br	243.18	
	Memantine USP RC E	N-3,5-Dimethyladamantan-1-yl formamide ;	351329-88-9	C13H21NO	207.31	
	Memantine Desmethyl Impurity HCl	3-Methyltricyclo[3.3.1.13,7]decan-1-amine hydrochloride ;	33103-93-4	C11H20ClN	201.74	
	N-Acetyl Memantine	N-(3,5-Dimethyltricyclo[3.3.1.13,7]dec-1-yl)acetamide; N-(3,5-Dimethyl-1-adamantyl)acetamide; 1-Acetamido-3,5-dimethyladamantane;	19982-07-1	C14H23NO	221.34	
	MIRTAZAPINE					
	Mirtazapine EP Impurity B	[2-[(2RS)-4-Methyl-2-phenylpiperazin-1-yl]pyridin-3-yl]methanol ;	NA	C17H21N3O	283.37	
	Mirtazapine EP Impurity C	Mirtazapine USP RC C ; Mirtazapine Lactam ; 2-Methyl-3,4,10,14b-tetrahydrobenzo[c]pyrazino[1,2-a]pyrido[3,2-f]azepin-1(2H)-one ;	191546-96-0	C17H17N3O	279.34	

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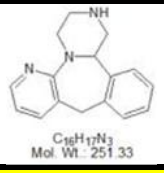
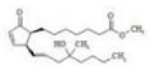
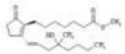
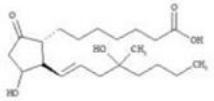
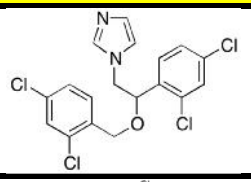
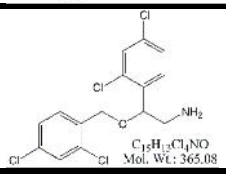
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Mirtazapine EP Impurity D	Mirtazapine USP Related Compound A ; N-Desmethyl Mirtazapine ; 1,2,3,4,10,14b-Hexahydropyrazino[2,1-a]pyrido[2,3-c][2]benzazepine ;	61337-68-6	C16H17N3	251.33	
	MISOPROSTOL					
	Misoprostol Impurity (A-Form)	NA	NA	C22H36O4	364.53	
	Misoprostol Impurity (B-Form)	NA	NA	C22H36O4	364.54	
	Misoprostol Acid Impurity	NA	61337-87-9	C21H36O5	368.52	
	MICONAZOLE					
	Miconazole	1-[2,4-Dichloro-?-[(2,4-dichlorobenzyl)oxy]phenethyl]imidazole; (�)-Miconazole; Daktanol; Daktarin IV; Florid-F; Lauriad; MJR 1762; Miconazole; Monistat IV; NSC 170986; R 18134;	22916-47-8	C18H14Cl4N2O	416.13	
	Miconazole Impurity C	(2RS)-2-[(2,4-Dichlorobenzyl)oxy]-2-(2,4-dichlorophenyl)ethanamine ;	67358-54-7	C15H13Cl4NO	365.08	

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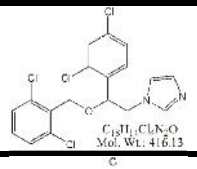
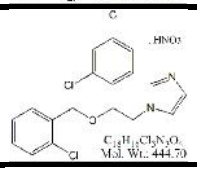
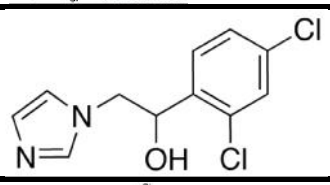
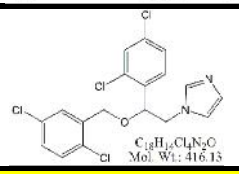
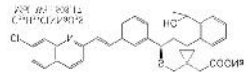
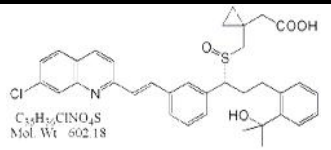
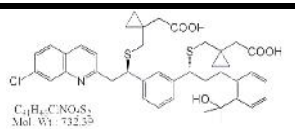
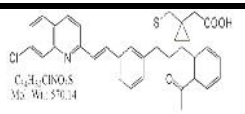
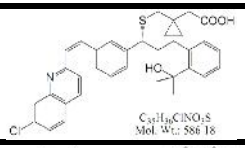
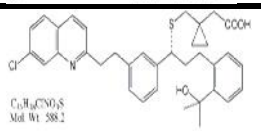
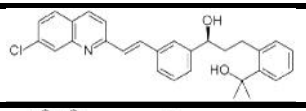
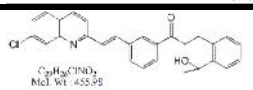
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Miconazole EP Impurity D	1-[(2RS)-2-[(2,6-Dichlorobenzyl)oxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole ;	27523-40-6	C18H14Cl4N2O	416.13	
	Miconazole EP Impurity I	Miconazole BP Impurity I ; Miconazole USP RC I ; 1-[(2RS)-2-[(2-Chlorobenzyl)oxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole nitrate ;	47363-37-1	C18H15Cl3N2O	381.68	
	Rac-1-(2,4-Dichlorophenyl)-2-(1-Imidazolyl)Ethanol	-(2,4-Dichlorophenyl)-1H-imidazole-1-ethanol; (+/-)-?-(2,4-Dichlorophenyl)-1H-imidazole-1-ethanol; ?-(2,4-Dichlorophenyl)-1H-imidazole-1-ethanol; Econazole EP Impurity A.	24155-42-8	C11H10Cl2N2O	257.12	
	Miconazole EP Impurity G	Miconazole BP Impurity G ; 1-[(2RS)-2-[(2,5-Dichlorobenzyl)oxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole ;	909277-71-0	C18H14Cl4N2O	416.13	
	MONTELUKAST					
	Montelukast EP Impurity A	Montelukast EP Impurity A (Sodium Salt) ; Montelukast Sodium (S)-Isomer ; ent-Montelukast Sodium Salt ; 1-[[[(1S)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetic acid sodium salt.	190078-45-6	C35H35ClNNaO3S	608.17	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Montelukast EP Impurity C	Montelukast EP Impurity C ; Montelukast USP Related Compound A ; Montelukast Sulfoxide ; Montelukast S-Oxide ; [1-[[[1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(2-hydrox-ypropan-2-yl)phenyl]propyl]sulfinyl]methyl]cyclopropyl]acetic acid.	909849-96-3	C35H36ClNO4S	602.18	
	Montelukast EP Impurity E	Montelukast EP Impurity E ; Montelukast USP Related Compound D ; Michael Adduct (R,S)-Isomer ; 1-[[[(1R)-1-[3-[(1S)-1-[[[1-(Carboxymethyl)cyclopropyl]methyl]thio]-2-(7-chloro-2-quinolinyl)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl) phenyl] propyl] thio]methyl]-cyclopropaneacetic acid.	1187586-58-8	C41H46ClNO5S2	732.39	
	Montelukast EP Impurity F	Montelukast EP Impurity F ; Montelukast USP Related Compound E ; Montelukast Methylketone ; [1-[[[(1R)-3-(2-acetylphenyl)-1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl] propyl]sulfanyl]methyl]cyclopropyl]acetic acid.	937275-23-5	C34H32ClNO3S	570.14	
	Montelukast Cis Isomer G	**NA**	774538-96-4	C35H36ClNO3S	586.18	
	Montelukast Dihydro Impurity	Dihydro Montelukast (Acid) ; 1-[[[(1R)-1-[3-[2-(7-Chloro-2-quinolinyl)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetic acid ; Montelukast saturated impurity.	142147-98-6	C35H38ClNO3S	588.2	
	Montelukast Quid-8 Impurity	2-(2-(3-(2-(7-Chloro-2-quinolinyl)-ethenylphenyl)-3-hydroxypropyl)phenyl)-2-propanol.	142569-70-8	C29H28ClNO2	457.99	
	Montelukast Ketone Impurity (USP)	(E)-1-{3-[2-(7-Chloroquinolin-2-yl)vinyl]phenyl}-3-[2-(2-hydroxypropan-2-yl)phenyl]propan-1-one ;	1258428-71-5	C29H26ClNO2	455.98	

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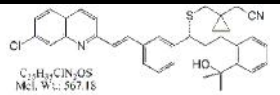
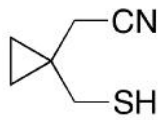
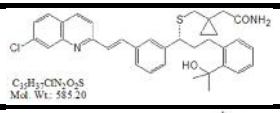
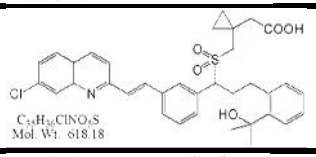
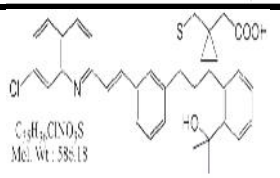
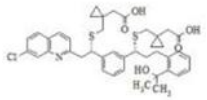
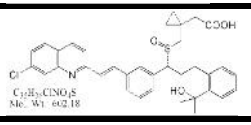
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Montelukast Nitrile Impurity	1-[[[(1R)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetonitrile	866923-62-8	C35H35ClN2OS	567.18	
	1-(Mercaptomethyl)Cyclopropaneacetonitrile	2-(1-(Mercaptomethyl)cyclopropyl)acetonitrile	866923-64-0	C6H9NS	127.21	
	Montelukast Amide	1-[[[(1R)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl) phenyl] propyl] thio] methyl] cyclopropaneacetamide ;	866923-63-9	C35H37ClN2O2S	585.20	
	Montelukast Sulfone	1-[[[1-[3-[2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]sulfonyl]methyl]cyclopropaneacetic Acid ;	1266620-74-9	C35H36ClNO5S	618.18	
	Montelukast Acid	(R-(E))-1-(((1-(3-(2-(7-Chloro-2-quinolinyl)ethenyl)phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl)propyl)thio)methyl)cyclopropaneacetic acid ; 2-[1-[[(1R)-1-[3-[(E)-2-(7-Chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(2-hydroxypropan-2-yl)phenyl]propyl]sulfanylmethyl]cyclopropyl]acetic acid ;	158966-92-8	C35H36ClNO3S	586.18	
	Montelukast R,S-Isomer	NA	NA	C41H46ClNO5S2	732.41	
	Montelukast Sulfoxide	[1-[[[1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(2-hydrox-ypropan-2-yl)phenyl]propyl]sulfinyl]methyl]cyclopropyl]acetic acid ;	909849-96-3	C35H36ClNO4S	602.18	

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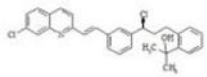
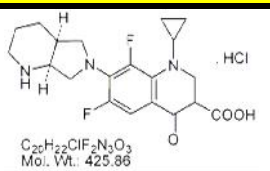
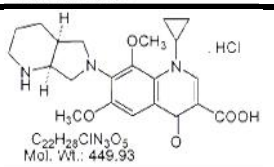
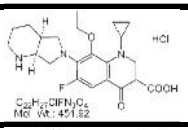
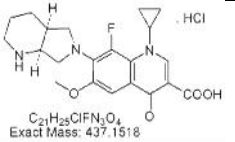
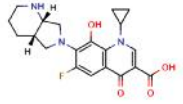
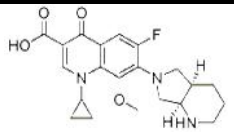
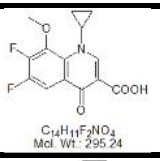
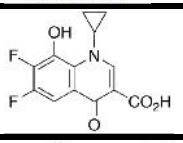
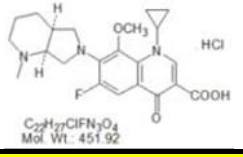
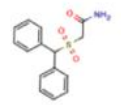
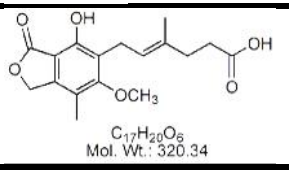
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Montelukast Chloro Alcohol Impurity	**NA**	880769-28-8	C29H27Cl2NO	476.45	
	MOXIFLOXACIN					
	Moxifloxacin EP Impurity A	1-Cyclopropyl-6,8-difluoro-7-[(4aS,7aS)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid HCl ;	151213-15-9	C20H21F2N3O3	389.40	
	Moxifloxacin EP Impurity B	1-Cyclopropyl-6,8-dimethoxy-7-[(4aS,7aS)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid HCl ;	1029364-73-5	C22H27N3O5	413.47	
	Moxifloxacin EP Impurity C	1-Cyclopropyl-8-ethoxy-6-fluoro-7-[(4aS,7aS)-octahydro-6H-pyrrolo [3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid HCl	1029364-75-7	C22H26FN3O4	415.46	
	Moxifloxacin EP Impurity D	1-Cyclopropyl-8-fluoro-6-methoxy-7-[(4aS,7aS)-octahydro-6H-pyrrolo [3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid hydrochloride ;	1029364-77-9	C21H25ClFN3O4	437.15	
	Moxifloxacin EP Impurity E	7-[(4aS,7aS)-octahydro-1H-pyrrolo[3,4-b]pyridin-6-yl]-1-cyclopropyl-6-fluoro-8-hydroxy-4-oxo-1,4-dihydroquinoline-3-carboxylic acid	721970-36-1	C20H22FN3O4	387.41	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Moxifloxacin impurity P	ent-Moxifloxacin;Moxifloxacin isoMer;(4R,7R)-Moxifloxacin;Moxifloxacin impurity P;Moxifloxacin (R,R)-Isomer;(4R,7R)-Moxifloxacin Hydrochloride 2;1-Cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-7-[(4aR,7aR)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-3-quinolinecarboxylic acid;3-Quinolinecarboxylic acid, 1-cyclopropyl-6-fluoro-1,4-dihydro-8-Methoxy	268545-13-7	C21H24FN3O4	401	
	Moxifloxacin Difluoro Methoxy Acid Impurity	1-Cyclopropyl-6,7-difluoro-1,4-dihydro-8-methoxy-4-oxo-3-quinoline carboxylic acid ;	112811-72-0	C14H11F2NO4	295.24	
	Moxifloxacin 8-Hydroxy Quinolic Acid	1-Cyclopropyl-6,7-difluoro-1,4-dihydro-8-hydroxy-4-oxo-3-quinolinecarboxylic Acid	154093-72-8	C13H9F2NO4	281.21	
	Moxifloxacin N-Methyl Analog	1-Cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-7-[(4aS,7aS)-octahydro-1-methyl-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-3-quinolinecarboxylic acid hydrochloride ;	721970-37-2	C22H27ClFN3O4	451.92	
	MODAFINIL					
	Modafinil Impurity B	2-[(Diphenylmethyl)sulfonyl]acetamide ;	118779-53-6	C15H15NO3S	289.35	
	Mycophenolate Mofetil EP Impurity F	(4E)-?6-?(4-?Hydroxy-?6-?methoxy-?7-?methyl-?3-?oxo-?1,?3-?dihydro-?2-?benzofuran-?5-?yl)-?4-?methylhex-?4-?enoic acid ;	24280-93-1	C17H20O6	320.34	

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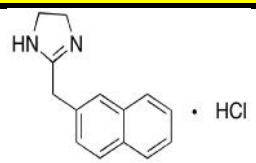
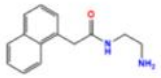
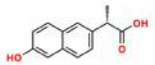
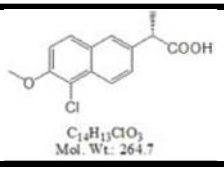
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
N	NAPHAZOLINE					
	Naphazoline HCl	4,5-Dihydro-2-(1-naphthalenylmethyl)-1H-imidazole Hydrochloride; 4,5-Dihydro-2-(1-naphthalenylmethyl)- 1H-Imidazole Monohydrochloride; 2-(1-Naphthylmethyl)-2-imidazoline Monohydrochloride; 2-(1-Naphthylmethyl)-2-imidazoline Hydrochloride; 2-(?-Naphthylmethyl)-2-imidazoline Hydrochloride; Ak-Con; Albalon; Allerest Eye Drops; Clera; Coldan; Comfort E	550-99-2	C14H15ClN2	246.74	
	Naphazoline RC A	N-(2-aminoethyl)-2-(naphthalen-1-yl)acetamide.	36321-43-4	C14H16N2O	228.29	
	Naphazoline Impurity B	NA	86-87-3	C12H10O2	186.21	
	NAPROXEN					
	Naproxen EP Impurity A	(?S)-6-Hydroxy-?-methyl-2-naphthaleneacetic Acid ; (S)-2-(6-Hydroxy-2-naphthyl)propionic Acid ; (S)-6-O-Desmethylnaproxen ; (S)-6-Demethylnaproxen	52079-10-4	C13H12O3	216.23	
	Naproxen Impurity B	(2S)-2-(5-Chloro-6-methoxynaphthalen-2-yl)propanoic acid ;	89617-86-7	C14H13ClO3	264.7	

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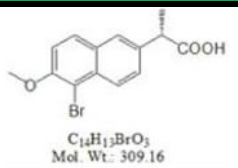
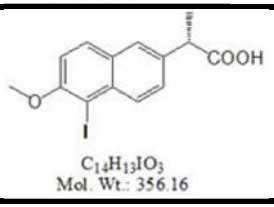
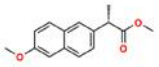
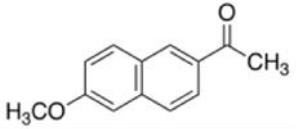
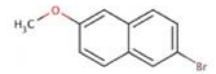
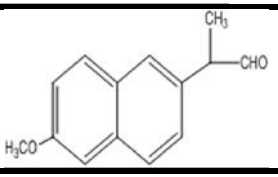
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Naproxen Impurity C	(2S)-2-(5-Bromo-6-methoxynaphthalen-2-yl)propanoic acid ;	84236-26-0	**C14H13BrO3**	309.16	
	Naproxen Impurity D	(2S)-2-(5-Iodo-6-methoxynaphthalen-2-yl)propanoic acid ;	116883-62-6	C14H13IO3	356.16	
	Naproxen EP Impurity E	Methyl (2S)-2-(6-methoxynaphthalen-2-yl)propanoate	26159-35-3	C15H16O3	244.29	
	Naproxen Impurity L	1-(6-Methoxy-2-naphthalenyl)ethanone; 2-Acetyl-6-methoxynaphthalene; 6-Acetyl-2-methoxynaphthalene; 6-Methoxy-2-acetylnaphthalene; 6-Methoxy-2-naphthyl Methyl Ketone; NSC 105564; Naproxen Impurity L;	3900-45-6	C13H12O2	200.23	
	Naproxen Impurity N	2-Bromo-6-methoxynaphthalene ;2-Methoxy-6-bromonaphthalene; 6-Methoxy-2-bromonaphthalene; NSC 3236; Naproxen Impurity N;	5111-65-9	C11H9BrO	237.09	
	Naproxen Aldehyde Impurity	2-(2-Methoxynaphalen-6-yl)propanal	27602-75-1	C14H14O2	214.26	

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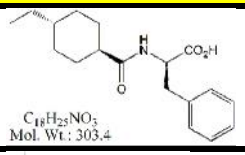
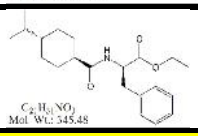
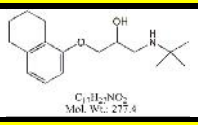
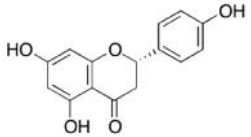
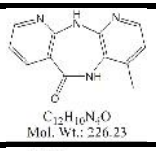
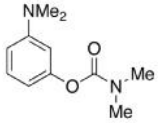
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	NATEGLINIDE					
	Nateglinide Impurity E	N-[(Trans-4-Ethylcyclohexyl)carbonyl]-D-phenylalanine ;	105746-45-0	C18H25NO3	303.4	
	Nateglinide Impurity G	Ethyl-N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-D-phenylalaninate ;	187728-85-4	C21H31NO3	345.48	
	NADOLOL					
	Nadolol Impurity G	(2RS)-1-[(1,1-dimethylethyl)amino]-3-[(5,6,7,8tetrahydronaphthalen-1-yl)oxy]propan-2-ol ;	33841-03-1	C17H27NO2	277.4	
	NARINGENIN					
	Naringenin	(S)2,3-Dihydro-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one; Flavanone, 4',5,7-trihydroxy- (8CI); Naringenin; (-)-(2S)-Naringenin; (-)-Naringenin; (2S)-4',5,7-Trihydroxy-flavanone; (2S)-Naringenin; NSC 11855; NSC 34875; Naringenine; Naringetol; S-Dihydrogenistein; Salipurol; Salipurpol;	480-41-1	C15H12O5	272.25	
	Nevirapine Impurity B	4-Methyl-5,11-dihydro-6H-dipyrido[3,2-b:2?,3?-e][1,4]diazepin-6-one ;	287980-84-1	C12H10N4O	226.23	
	Nor Neostigmine	Dimethylcarbamic Acid 3-(Dimethylamino)phenyl Ester; Dimethylcarbamic Acid m-(Dimethylamino)phenyl Ester; 3-(Dimethylamino)phenyl Dimethylcarbamate; Norneostigmine;	16088-19-0	C11H16N2O2	208.26	

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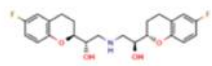
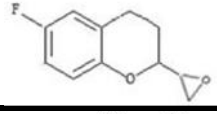
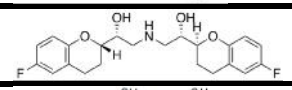
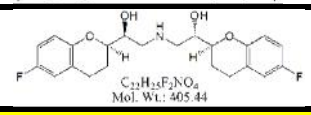
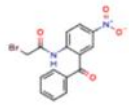
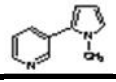
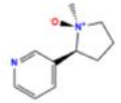
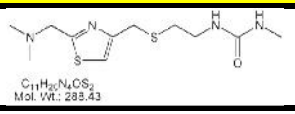
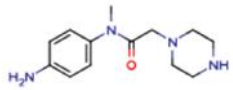
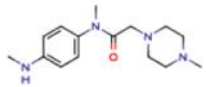
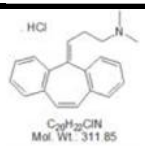
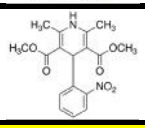
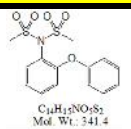
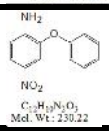
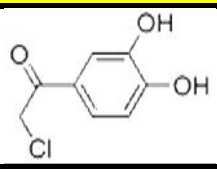
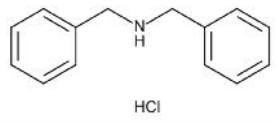
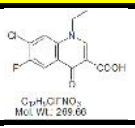
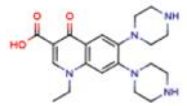
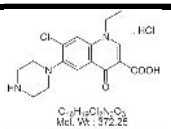
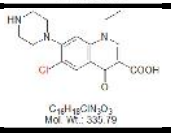
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	NEBIVOLOL					
	Nebivolol Impurity A	Nebivolol Impurity A;(1S)-1-[(2S)-6-fluoro-3,4-dihydro-2H-1-benzopyran-2-yl]-2-{[(2S)-2-[(2S)-6-fluoro-3,4-dihydro-2H-1-benzopyran-2-yl]-2-hydroxyethyl]amino}ethan-1-ol;	118457-16-2	C22H25F2NO4	405.45	
	Nebivolol Spot A	[1S*(S*)]-6-Fluro-3,4dihydro-2-Oxiranyl-2H-1Benzopyran	NA	C11H11FO2	194.21	
	Nebivolol Impurity B	[2S-[2R*[R*[S*(R*)]]]]-?,?-[Iminobis(methylene)]bis[6-fluoro-3,4-dihydro-2H-1-benzopyran-2-methanol;	119365-25-2	C22H25F2NO4	405.44	
	Nebivolol (R,S,S,S)-Isomer	(?S,?-S,2R,2-S)-?,?-[Iminobis(methylene)]bis[6-fluoro-3,4-dihydro-2H-1-benzopyran-2-methanol ;	920299-33-8	C22H25F2NO4	405.44	
	NITRAZEPAM					
	Nitrazepam Impurity C	N-(2-Benzoyl-4-nitrophenyl)-2-bromoacetamide; 2-Benzoyl-2-bromo-4-nitroacetanilide	2011-70-3	C15H11BrN2O4	363.16	
	NICOTINE					
	Nicotine Impurity B	Nicotyrine;3-(1-Methyl-1H-pyrrol-2-yl)pyridine; 3-(1-Methylpyrrol-2-yl)pyridine; Nicotyrine; 3,2-Nicotyrine;	487-19-4	C10H10N2	158.21	
	Nicotine 1-oxide	(1S,2S)-1-methyl-2-(pyridin-3-yl)pyrrolidine 1-oxide	51095-86-4	C10H14N2O	178.23	

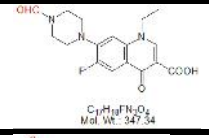
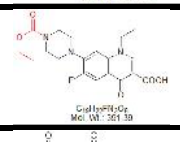
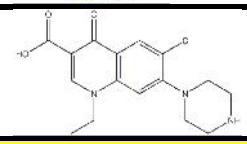
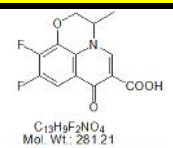
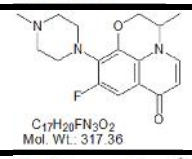
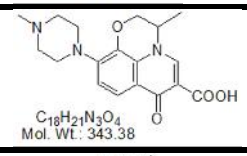
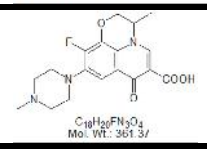
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	NIZATIDINE					
	Nizatidine Impurity I	N-[2-[[[2-[(Dimethylamino) methyl]thiazol-4-yl] methyl]sulphanyl] ethyl]-N?-methylurea ;	82586-81-0	C11H20N4CS2	288.43	
	Nintedanib Desmethyl Piperazine Impurity	N-(4-aminophenyl)-N-methyl-2-(piperazin-1-yl)acetamide.	NA	C13H20N4O	248.33	
	Nintedanib N-Methyl Aniline Impurity	N-methyl-N-[4-(methylamino)phenyl]-2-(4-methylpiperazin-1-yl)acetamide.	NA	C15H24N4O	276.38	
	Hydroxydehydro Nifedipine Carboxylate	2-(Hydroxymethyl)-6-methyl-4-(2-nitrophenyl)-3,5-pyridinedicarboxylic Acid 5-Methyl Ester;4-(2-Nitrophenyl)-2-hydroxymethyl-5-methoxycarbonyl -6-methylpyridine-3-carboxylic Acid;	34783-31-8	C16H14N2O7	346.29	
	Nifedipine	1,4-Dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5-pyridinedicarboxylic Acid Dimethyl Ester; Adalate; Aldipine; Anifed; Cardiate;	21829-25-4	C17H18N2O6	346.33	
	NIMESULIDE					
	Nimesulide Impurity E	N,N-bis(Methylsulphonyl)-2-phenoxyaniline ;	NA	C14H15NO5S2	341.4	
	Nimesulide Impurity D	4-Nitro-2-phenoxyaniline ;	NA	C12H10N2O3	230.22	

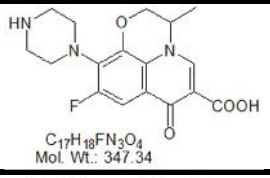
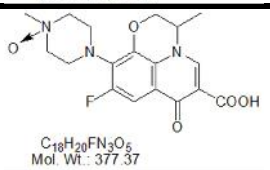
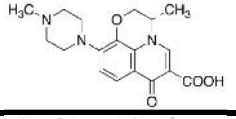
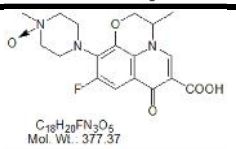
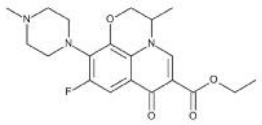
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	NORADRENALIN					
	Noradrenalin Impurity E	Chloracetylcatechol;Chloroaceto catechol;Chloroacetylcatechol;2-Chloro-3',4'-dihyd;	99-40-1	C8H7ClO3	186.59	
	Noradrenalin Impurity F	N-benzyl-1-phenylmethanamine	20455-68-9	**C14H15N**	20455-68-9	
	NORFLOXACIN					
	Norfloxacin EP Impurity A	7-Chloro-1-ethyl-6-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid	68077-26-9	C12H9ClFNO3	269.66	
	Norfloxacin EP Impurity C	1-Ethyl-4-oxo-6,7-bis(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid	177554-64-2	C20H27N5O3	385.47	
	Norfloxacin EP Impurity E	7-Chloro-1-ethyl-4-oxo-6-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid HCl ;	75001-78-4	C16H18ClN3O3 . HCl	335.79	
	Norfloxacin EP Impurity F	Norfloxacin 6-Chloro Analog ; 6-Chloro-1-ethyl-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid ;	NA	C16H18ClN3O3	335.79	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Norfloxacin EP Impurity G	1-Ethyl-6-fluoro-7-(4-formylpiperazin-1-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic acid ;	70459-04-0	C17H18FN3O4	347.34	
	Norfloxacin EP Impurity H	7-[4-(Ethoxycarbonyl)piperazin-1-yl]-1-ethyl-6-fluoro-4-oxo-1,4-dihydro quinoline-3-carboxylic acid ;	105440-01-5	C19H22FN3O5	391.39	
	Norfloxacin imp 1	6-Chloro-1-Ethyl-4-Oxo-7-(Piperazin-1-yl)-1,4-Dihydroquinoline-3-Carboxylic acid	67681-84-9	C16H18ClN3O3	335.79	
	OFLOXACIN					
O	Ofloxacin EP Impurity A	Ofloxacin EP Impurity A ; Ofloxacin Difluoro Carboxylic Acid ; (RS)-9,10-Difluro-3-methyl-7-oxo-2,3-dihydro-7H-pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid (FPA) ;	82419-35-0	C13H9F2NO4	281.21	
	Ofloxacin EP Impurity B	Ofloxacin EP Impurity B ; Ofloxacin Descarboxyl Impurity ; (RS)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine ;	123155-82-8	C17H20FN3O2	317.36	
	Ofloxacin EP Impurity C	Ofloxacin EP Impurity C ; Ofloxacin Desfluoro Impurity ; (RS)-2,3-Dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid ;	NA	C18H21N3O4	343.38	
	Ofloxacin EP Impurity D	Ofloxacin EP Impurity D ; Ofloxacin 10-Fluoro Isomer ; (RS)-10-Fluoro-2,3-dihydro-3-methyl-9-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid	197291-75-1	C18H20FN3O4	361.37	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ofloxacin EP Impurity E	Ofloxacin EP Impurity E ; Ofloxacin USP Related Compound A ; N-Desmethyl Ofloxacin ; (RS)-9-Fluoro-2,3-dihydro-3-methyl-10-(1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid ;	82419-52-1	C17H18FN3O4	347.34	
	Ofloxacin EP Impurity F	Ofloxacin EP Impurity F ; Ofloxacin N-Oxide ; (RS)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid N-oxide ;	104721-52-0	C18H20FN3O5	377.37	
	Defluoro Levofloxacin	(3S)-2,3-Dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic Acid; Levofloxacin Related Compound F (USP),	117620-85-6	C18H21N3O4	343.38	
	Ofloxacin N-Oxide	Ofloxacin EP Impurity F ;(RS)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid N-oxide ;	104721-52-0	C18H20FN3O5	377.37	
	Ofloxacin Ethyl Ester	NA	107884-32-2	C20H24FN3O4	389.42	
	Ofloxacin Desfluoro	2,3-Dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid	95848-94-5	C18H21N3O4	343.38	
	OLANZAPINE					

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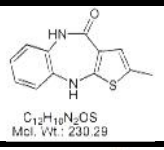
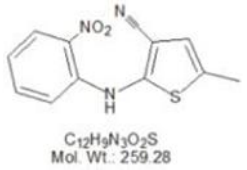
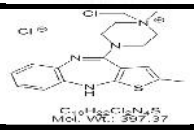
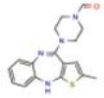
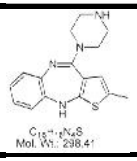
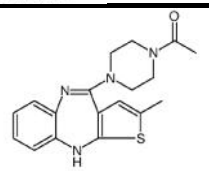
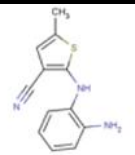
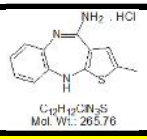
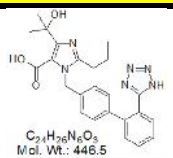
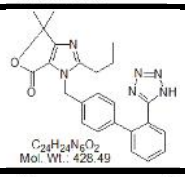
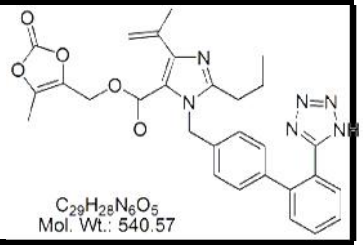
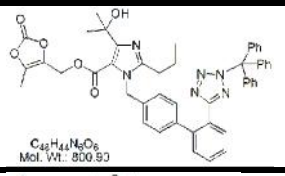
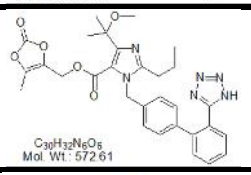
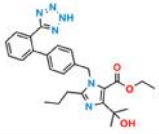
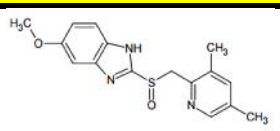
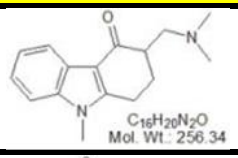
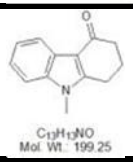
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Olanzapine EP Impurity B	2-Methyl-10H-thieno-[2,3-b][1,5]benzodiazepin-4[5H]-one ;	221176-49-4	C12H10N2OS	230.29	
	Olanzapine EP Impurity A	5-Methyl-2-((2-nitrophenyl)amino)-3-thiophenecarbonitrile ;	138564-59-7	C12H9N3O2S	259.28	
	Olanzapine EP Impurity C	Olanzapine N-Chloromethyl Chloride ; 1-(Chloromethyl)-1-methyl-4-(2-methyl-10H-thieno[2,3-b]-[1,5]benzodiazepin-4-yl)piperazin-1-ium chloride ;	719300-59-1	C18H22Cl2N4S	397.37	
	N-Demethyl-N-Formylolanzapine	4-(2-Methyl-10H-thieno[2,3-b][1,5]benzodiazepin-4-yl)-1-piperazinecarboxaldehyde.	639460-79-0	C17H18N4OS	326.42	
	Olanzapine N-Desmethyl Analog	2-Methyl-4-(1-piperazinyl)-10H-thieno[2,3-b][1,5]benzodiazepine ;	161696-76-0	C16H18N4S	298.41	
	Ethanone, 1-[4-(2-Methyl-10H-Thieno[2,3-B][1,5]Benzodiazepin-4-Yl)-1-Piperazinyl]	Ethanone, 1-[4-(2-methyl-10H-thieno[2,3-b][1,5]benzodiazepin-4-yl)-1-piperazinyl]	935272-10-9	C18H20N4OS	340.44	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Olanzapine Impurity 1	2-[(2-Aminophenyl)amino]-5-methyl-3-thiophenecarbonitrile;Olanzapine Impurity ;2-(2-Aminoanilino)-5-methylthiophene-3-carbonitrile;2-(2-Aminoanilino)-5-methylthiophene-3-carbonitrile;	873895-41-1	C12H11N3S	229.3	
	Olanzapine Amine Impurity	4-Amino-2-methyl-10H-thieno[2,3-b][1,5]benzodiazepine HCl ;	138564-60-0	C12H12ClN3S	265.76	
	OLMESARTAN					
	Olmesartan EP Impurity A	Olmesartan Acid ; 4-(2-Hydroxypropan-2-yl)-2-propyl-1-({4-[2-(2H-1,2,3,4-tetrazol-5-yl)phenyl]phenyl}methyl)-1H-imidazole-5-carboxylic acid ;	144689-24-7	C24H26N6O3	446.5	
	Olmesartan EP Impurity B	Olmesartan USP RC A ; Olmesartan gama-Lactone ; Olmesartan Lactone ; 3,6-Dihydro-6,6-dimethyl-2-propyl-3-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-4H-furo[3,4-d]imidazol-4-one ;	849206-43-5	C24H24N6O2	428.49	
	Olmesartan EP Impurity C	Dehydro Olmesartan Medoxomil ; Anhydro Olmesartan Medoxomil ; Olmesartan Medoxomil Olefinic Impurity (USP) ; Olmesartan Medoxomil Methylvinyl Impurity ; 5-Methyl-2-oxo-1,3-dioxolen-4-yl) methyl 4-(prop-1-en-2-yl)-2-propyl-1-[[2-(1H-tetrazol-5-yl) biphenyl-4-yl] methyl]-1Himidazole-5-carboxylate ;	879562-26-2	**C29h28N6O5**	**540.57**	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Olmesartan EP Impurity D	Olmesartan EP Impurity D ; N2-Trityl Olmesartan Medoxomil ; 4-(1-Hydroxy-1-methylethyl)-2-propyl-1-[[2'-[2-(triphenylmethyl)-2H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic acid (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl ester	1020157-01-0	C48H44N6O6	800.90	
	Olmesartan Medoxomil Methyl Ether	Olmesartan Medoxomil O-Methyl Analog ; 4-(1-Methoxy-1-methylethyl)-2-propyl-1-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic acid (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl ester ;	896419-17-3	C30H32N6O6	572.61	
	Olmesartan Ethyl Ester	4-(2-Hydroxypropan-2-yl)-2-propyl-1-({4-[2-(2H-1,2,3,4-tetrazol-5-yl)phenyl]phenyl}methyl)-1H-imidazole-5-carboxylic acid ethyl ester.	144689-23-6	C26H30N6O3	474.55	
	OMEPRAZAOLE					
	Omeprazaole Impurity E	2-[(RS)-[(3,5-dimethylpyridin-2-yl)methyl]sulphinyl]-5-methoxy-1 H-benzimidazole.	NA	NA	NA	
	ONDANSETRON					
	Ondansetron EP Impurity A	(3RS)-3-[(Dimethylamino)methyl]-9-methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one ;	153139-56-1	C16H20N2O	256.34	
	Ondansetron EP Impurity C	9-Methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one ;	27387-31-1	C13H13NO	199.25	

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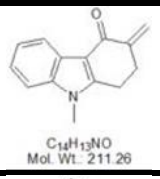
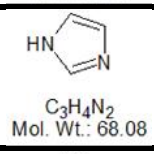
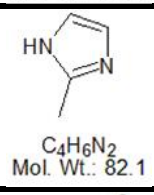
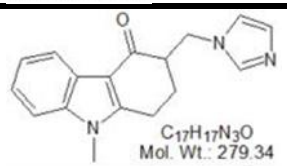
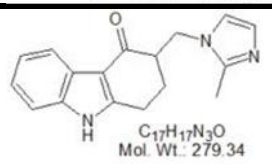
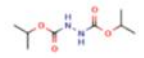
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ondansetron EP Impurity D	9-Methyl-3-methylene-1,2,3,9-tetrahydro-4H-carbazol-4-one ;	99614-64-9	C14H13NO	211.26	
	Ondansetron EP Impurity E	1H-Imidazole ;	288-32-4	C3H4N2	68.08	
	Ondansetron EP Impurity F	2-Methyl-1H-imidazole ;	693-98-1	C4H6N2	82.1	
	Ondansetron EP Impurity G	(3RS)-3-[(1H-Imidazol-1-yl)methyl]-9-Methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one ;	99614-03-6	C17H17N3O	279.34	
	Ondansetron EP Impurity H	(3RS)-3-[(2-Methyl-1H-imidazol-1-yl)methyl]-1,2,3,9-tetrahydro-4H-carbazol-4-one ;	9614-14-9	C17H17N3	279.34	
	ORLISTAT					
	Orlistat RC B	Orlistat Related Compound B;1,2-Hydrazinedicarboxylic Acid Bis(1-methylethyl) Ester;1,2-Hydrazinthyl) Ester;diisopropyl hydrazine-1,2rbamic Acid Diisopropyl Ester;	19740-72-8	C8H16N2O4	204.22	

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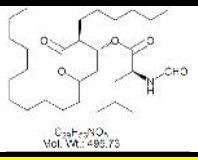
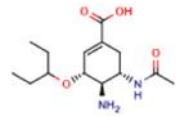
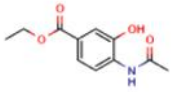
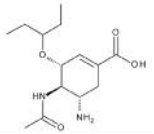
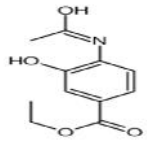
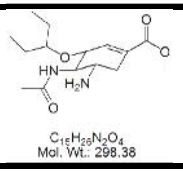
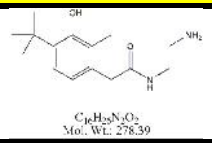
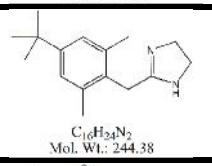
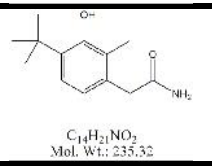
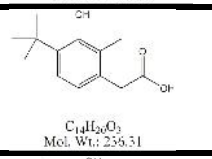
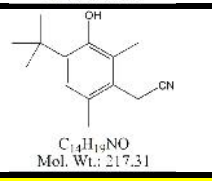
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Orlistat USP RC D	N-Formyl-L-leucine (3S,4R,6S)-tetrahydro-3-hexyl-2-oxo-6-undecyl-2H-pyran-4-yl ester ;	130793-27-0	C29H53NO5	495.73	
	OSELTAMIVIR					
	Oseltamivir EP Impurity A	(3R,4R,5S)-5-Acetamido-4-amino-3-(1-ethylpropoxy)cyclohex-1-ene-1-carboxylic acid	1364932-19-3	C14H24N2O4	284.4	
	Oseltamivir Impurity B	Oseltamivir Related Compound B;4-Acetylamino-3-hydroxybenzoic Acid Ethyl Ester;Oseltamivir Phosphate BP Impurity C;Oseltamivir Phenol;Ethyl 4-Acetylamido-3-hydroxybenzoate; Oseltamivir Phosphate BP Impurity C	1346604-18-9	C11N13NO4	223.23	
	Oseltamivir EP Impurity C	(3R,4R,5S)-4-(Acetylamino)-5-amino-3-(1-ethylpropoxy)-1-cyclohexence-1-carboxylic Acid; Oseltamivir Carboxylic Acid; GS 4071; Ro 64-0802; Oseltamivir Carboxylate; Oseltamivir EP Impurity C;	187227-45-8	C14H24N2O4	284.4	
	Oseltamivir EP Impurity D	Ethyl 4-Acetylamido-3-hydroxybenzoate; Oseltamivir Phosphate BP Impurity D; Oseltamivir EP Impurity D;	1346604-18-9	**NA**	223.23	
	Oseltamivir EP Impurity E	Oseltamivir EP Impurity E;	208720-71-2	**C15H26N2O4**	298.38	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	OXYMETAZOLINE					
	Oxymetazoline EP Impurity A	Oxymetazoline BP Impurity A ; Oxymetazoline USP RC A ; N-(2-Aminoethyl)-2-[4-(1,1-dimethylethyl)-3-hydroxy-2,6-dimethylphenyl]acetamide ;	1391053-50-1	C16H26N2O2	278.39	
	Oxymetazoline EP Impurity B	Oxymetazoline BP Impurity B ; Xylometazoline ; 2-[[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]methyl]-4,5-dihydro-1H-imidazole ;	NA	C16H24N2	244.38	
	Oxymetazoline EP Impurity C	Oxymetazoline BP Impurity C ; 2-[4-(1,1-Dimethylethyl)-3-hydroxy-2,6-dimethylphenyl]acetamide ;	55699-13-3	C14H21NO2	235.32	
	Oxymetazoline EP Impurity D	Oxymetazoline BP Impurity D ; 2-[4-(1,1-Dimethylethyl)-3-hydroxy-2,6-dimethylphenyl]acetic acid	55699-12-2	C14H20O3	236.31	
	Oxymetazoline EP Impurity E	Oxymetazoline BP Impurity E ; 2-[4-(1,1-Dimethylethyl)-3-hydroxy-2,6-dimethylphenyl]acetonitrile ;	55699-10-0	C14H19NO	217.31	
	OXCARBAZEPINE					
	Oxcarbazepine EP Impurity C	5,11-Dihydro-10H-dibenzo[b,f]azepin-10-one ;	21737-58-6	C14H11NO	209.24	

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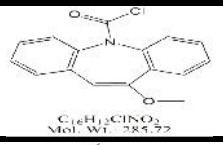
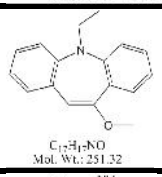
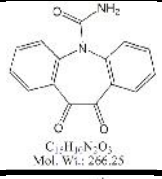
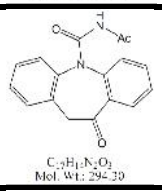
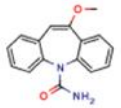
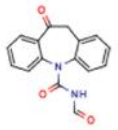
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Oxcarbazepine EP Impurity F	10-Methoxy-5H-dibenzo[b,f]azepine-5-carbonylchloride ;	28721-08-6	C16H12ClNO2	285.72	
	Oxcarbazepine EP Impurity G	5-Ethyl-10-methoxy-5H-dibenzo[b,f]azepine ;	15882-79-8	C17H17NO	251.32	
	Oxcarbazepine EP Impurity I	11-Keto Oxcarbazepine ; 10,11-Dioxo-10,11-dihydro-5H-dibenzo[b,f]azepine-5-carboxamide ;	537693-29-1	C15H10N2O3	266.25	
	Oxcarbazepine EP Impurity L	Oxcarbazepine USP RC B ; N-Ethanone Oxcarbazepine ; N-Acetyl-10-oxo-10,11-dihydro-5H-dibenzo[b,f]azepine-5-carboxamide ;	NA	C17H14N2O3	294.30	
	10-Methoxy Carbamazepine	Oxcarbazepine IMpurity C;10-Methoxy-5H-dibenz[b,f]azepineine; 28721-09-7; 10-methoxy-5h-dibenzo[b,f]azepineMethoxy Carbamazepine; 10-Methoxy-5H-dibenz[b,f]azepine-5-carboxamide;	28721-09-7	C16H14N2O2	266.29	
	N-Formyl Oxcarbazepine	Oxcarbazepine USP relat-dihydro-5H-dibenzo[b,f]azepine-5-carboxamide.	1346601-76-0	C16H12N2O3	280.28	

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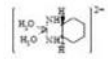
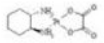
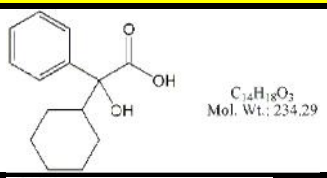
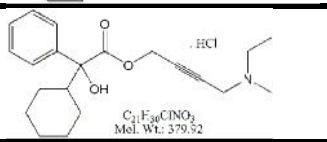
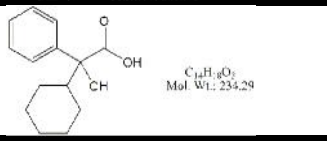
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	OXALIPLATIN					
	Oxaliplatin EP Impurity B	(SP-4-2)-Diaqua[(1R,2R)-cyclohexane-1,2-diamine-?N?N?]platinum.	NA	C6H18N2O2Pt	345.30	
	Oxaliplatin EP Impurity D	NA	NA	C8H14N2O4Pt	397.30	
	OXYBUTYNIN					
	Oxybutynin USP RC A	(RS)-2-Cyclohexyl-2-hydroxy-2-phenylacetic acid ; Phenylcyclohexylglycolic acid ;	4335-77-7	C14H18O3	234.29	
	Oxybutynin EP Impurity C	Oxybutynin USP RC C ; 4-(Ethylmethylamino)but-2-ynyl (RS)-2-cyclohexyl-2-hydroxy-2-phenylacetate HCl ; Methylethyl Analogue of Oxybutynin HCl ;	NA	C21H30ClNO3	379.92	
	Oxybutynin Impurity D	(RS)-2-Cyclohexyl-2-hydroxy-2-phenylacetic acid ; Phenylcyclohexylglycolic acid ;	4335-77-7	C14H18O3	234.29	

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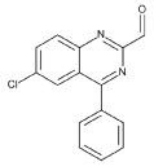
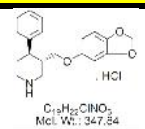
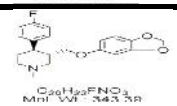
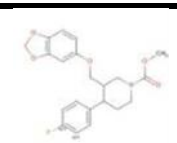
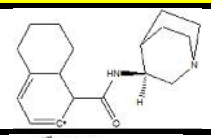
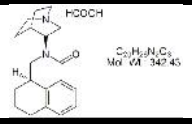
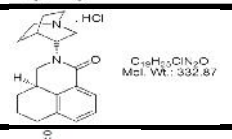
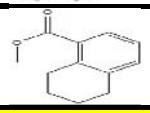
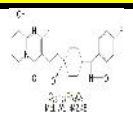
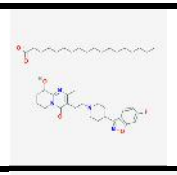
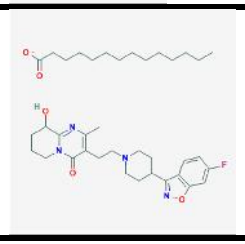
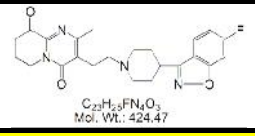
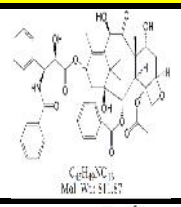
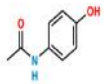
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Oxazepam Related C	6-Chloro-4-phenylquinazoline-2-carbaldehyde, 6-Chloro-4-phenylquinazoline-2-carboxaldehyde	5958-05-4	C15H9ClN2O	268.70	
	PAROXETINE					
P	Paroxetine Impurity A	(3S,4R)-3-[(1,3-Benzodioxol-5-yloxy)methyl]-4-phenylpiperidine HCl ;	324024-00-2 (base)	C19H21NO3	311.37	
	Paroxetine USP RC F	(3S,4R)-N-Methyl Paroxetine ; (3S,4R)-trans-(-)-1-Methyl-3-[1,3-benzodioxol-5-yloxy)methyl]-4-(fluorophenyl) piperidine ;	110429-36-2	C20H22FNO3	343.39	
		1-Piperidinecarboxylic Acid,3-[(1,3-Benzodioxol-5-Yloxy)Methyl]-4-(4-Fluorophenyl)-, Methyl Ester	887140-77-4	C21H22FNO5	387.15	
	PALONOSETRON					
	Palonosetron Impurity A	N-[(S)-1-Azabicyclo[2.2.2]oct-3-yl]- 5,6,7,8-tetrahydro-1-napthylenecarboxamide	135729-78-1	C??H??N?O	284.4	
	Palonosetron Impurity B	(3aR,3S)-Palonosetron Formate Salt ; (3aR)-2-[(3S)-1-Azabicyclo[2.2.2]oct-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benz[de]isoquinolin-1-one formate salt ;	135755-51-0 (HCl salt)	C20H26N2O3	342.43	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Palonosetron USP RC E	(S)-2-(1-Azabicyclo[2.2.2]oct-3-yl)-2,4,5,6-tetrahydro-1H-benz[de]isoquinolin-1-one Monohydrochloride ; 2-[(3S)-Quinuclidin-3-yl]-2,4,5,6-tetrahydro-1H-benzo[de]isoquinolin-1-one hydrochloride ;	135729-55-4	C19H23ClN2O	330.85	
	Palonosetron Enantiomer	(3aR)-2-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benz[de]isoquinolin-1-one HCl ;	135729-75-8	C19H25ClN2O	332.87	
	Palonosetron Methyl Ester	Methyl 5,6,7,8-tetrahydronaphthalene-1-carboxylate	66193-59-7	C12H14O2	190.24	
	PALIPERIDONE					
	Paliperidone N-Oxide	Paliperidone USP Related Compound D ; Paliperidone N-Oxide ;3-{2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl) piperidin-1-yl]ethyl}-9-hydroxy-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one N-oxide ;	761460-08-6	C23H27FN4O4	442.48	
	Paliperidone Stearate	3-[2-[4-(6-fluoro-1,2-benzoxazol-3-yl)piperidin-1-yl]ethyl]-9-hydroxy-2-methyl-6,7,8,9-tetrahydropyrido[1,2-a]pyrimidin-4-one;octadecanoate;	1172995-13-9	C41H62FN4O5	709.96	
	Paliperidone Myristate	3-[2-[4-(6-fluoro-1,2-benzoxazol-3-yl)piperidin-1-yl]ethyl]-9-hydroxy-2-methyl-6,7,8,9-tetrahydropyrido[1,2-a]pyrimidin-4-one;tetradecanoate;	1172995-11-7	C37H54FN4O5	653.86	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Paliperidone 9-Keto Impurity	Paliperidone 9-Keto Impurity ; 9-Keto Paliperidone ; 9-Keto Risperidone ; 3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-7,8-dihydro-2-methyl-4H-pyrido[1,2-a]pyrimidine-4,9(6H)-dione ;	1189516-65-1	C23H25FN4O3	424.47	
	PACLITAXEL					
	Paclitaxel EP Impurity H	10-O-Deacetyl-7-epi-paclitaxel ;	78454-17-8	C45H49NO13	811.87	
	Paclitaxel Impurity G	10-O-Deacetylpaclitaxel ;	78432-77-6	C45H49NO13	811.87	
	PARACETAMOL					
	Paracetamol	NA	103-90-2	C8H9NO2	151.2	
	Paracetamol EP Impurity A	NA	614-80-2	C8H9NO2	151.2	

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	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Paracetamol EP Impurity B	NA	1693-37-4	C9H11NO2	165.2	
	Paracetamol EP Impurity C	NA	3964-54-3	C8H8ClNO2	185.6	
	Paracetamol EP Impurity D	NA	103-84-4	C8H9NO	135.2	
	Paracetamol EP Impurity F	NA	100-02-7	C6H5NO3	139.1	
	Paracetamol EP Impurity G	NA	198712-64-0	C8H9NO2	151.2	
	Paracetamol EP Impurity H	NA	2623-33-8	C10H11NO3	193.2	
	Paracetamol EP Impurity I	NA	118-93-4	C8H8O2	136.2	
	Paracetamol EP Impurity J	NA	539-03-7	C8H8ClNO	169.6	

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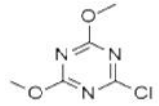
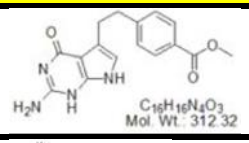
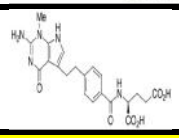
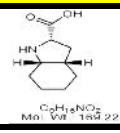
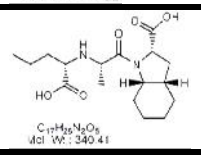
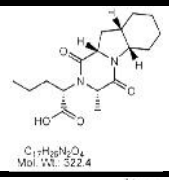
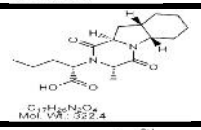
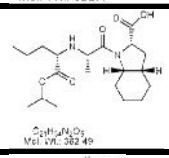
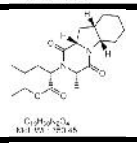
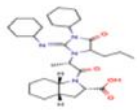
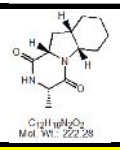
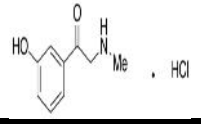
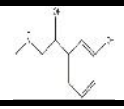
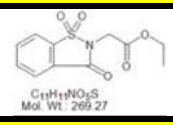
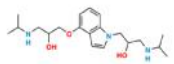
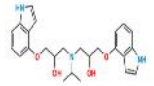
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Paracetamol EP Impurity K	NA	123-30-8	C6H7NO	109.1	
	2-Chloro-4,6-Dimethoxy-1,3,5-Triazine	CDMT;NSC 46520;AKOS 89995;6-diMethoxy-1;5-triazine (CDMT);2-Chloro-4,6-dimetho;Chlorodimethoxytriazine;2-CHLORO-4,6-DIMETHOXY-TRIAZINE;2,4-Dimethoxy-6-chloro-s-triazine;4,6-DiMethoxy-2-chloro-s-triazine	3140-73-6	C5H6ClN3O2	175.57	
	PEMETREXED					
	Pemetrexed Acid Methyl Ester	4-[2-(2-Amino-4,7-dihydro-4-oxo-1H-pyrrolo[2,3-d]pyrimidin-6-yl)ethyl] benzoic acid methyl ester ;	155405-80-4	C16H16N4O3	312.32	
	N-Methyl Pemetrexed	N-[4-[2-(2-Amino-4,7-dihydro-1-methyl-4-oxo-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl]benzoyl]-L-glutamic Acid; Pemetrexed EP Impurity A;	869791-42-4	C21H23N5O6	441.44	
	PERINDOPRIL					
	Perindopril EP Impurity A	1 Perindopril EP Impurity A ; Ramipril Bicyclic Acid ; (2S,3aS,7aS)-Octahydro-1H-indole-2-carboxylic acid ;	80875-98-5	C9H15NO2	169.22	
	Perindopril EP Impurity B	Perindoprilat ; Perindopril Diacid ; (2S,3aS,7aS)-1-[(2S)-2-[[(1S)-1-Carboxybutyl]amino]propanoyl]octahydro-1H-indole-2-carboxylic acid ;	95153-31-4	C17H28N2O5	340.41	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Perindopril EP Impurity C	Perindoprilat Lactam A ; Perindopril (10aS)-Dione Acid ; (2S)-2-[(3S,5aS,9aS,10aS)-3-Methyl-1,4-dioxodecahydropyrazino[1,2-a]indol-2(1H)-yl]pentanoic acid ;	129970-99-6	C17H26N2O4	322.4	
	Perindopril EP Impurity D	Perindoprilat Lactam B ; Perindopril (10aR)-Dione Acid ; (2S)-2-[(3S,5aS,9aS,10aR)-3-Methyl-1,4-dioxodecahydropyrazino[1,2-a]indol-2(1H)-yl]pentanoic acid ;	130061-28-8	C17H26N2O4	322.4	
	Perindopril EP Impurity E	Perindopril Isopropyl Ester ; (2S,3aS,7aS)-1-[(2S)-2-[[(1S)-1-[(1-Methylethoxy)carbonyl]butyl]amino]propanoyl]octahydro-1H-indole-2-carboxylic acid ;	1356837-89-2	C20H34N2O5	382.49	
	Perindopril EP Impurity F	Perindopril Diketopiperazine ; Perindopril (10aS)-Dione ; Ethyl (2S)-2-[(3S,5aS,9aS,10aS)-3-methyl-1,4-dioxodecahydropyrazino[1,2-a]indol-2(1H)-yl]pentanoate ;	129970-98-5	C19H30N2O4	350.45	
	Perindopril EP Impurity H	(2S,3aS,7aS)-1-[(2S)-2-[(5RS)-3-cyclohexyl-2(cyclohexylimino)-4-oxo-5-propylimidazolidin-1-yl]propanoyl]octahydro-1H-indole-2-carboxylic acid.	353777-64-7	C30H48N4O4	528.73	
	Perindopril EP Impurity K	Perindopril EP Impurity K ; Perindopril USP Related Compound K ; (3S,5aS,9aS,10aS)-3-Methyldecahydropyrazino[1,2-a]indole-1,4-dione ;	NA	C12H18N2O2	222.28	
	PHENYLEPHRINE					
	Phenylephrine EP Impurity C	Phenylephrone Hydrochloride;1-(3-Hydroxyphenyl)-2-(methylamino)ethanone Hydrochloride; 3'-Hydroxy-2-methylaminoacetophenone Hydrochloride; Phenylephrine Imp. C (EP) Hydrochloride;	94240-17-2	C9H12ClNO2	201.65	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Phenylephrine Impurity E	2-[Benzyl(Methyl)aMino]-1-(3-Hydroxyphenyl)ethanone Hydrochloride.	NA	C9H13NO2	167.21	
	Phenytoin RC-A	2-amino-2,2-diphenylacetic acid	3060-50-2	C14H13NO2	227.26	
	PIROXICAM					
	Piroxicam Impurity E	Ethyl (1,1-dioxido-3-oxo-1,2-benzisothiazol-2(3H)-yl)acetate ;	NA	C11H11NO5S	269.27	
	PINDOLOL					
	Pindolol Impurity B	1-[4-[2-Hydroxy-3-[(1-methyl-ethyl)amino]propoxy]-1H-indol-1-yl]-3-[(1-methylethyl)amino]propan-2-ol	130115-63-8	C20H33N3O3	363.5	
	Pindolol Impurity C	1,1'-[(1-Methylethyl)imino]bis[3-(1H-indol-4-yloxy)propan-2-ol]	130115-65-0	C25H31N3O4	437.54	
	Pindolol Impurity D	NA	61212-32-6	C11H13NO3	207.23	
	Pindolol Impurity F	NA	130115-66-1	C11H12ClNO2	225.67	
	PITAVASTATIN					

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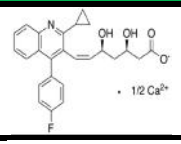
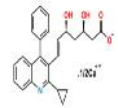
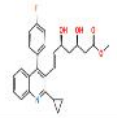
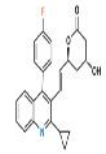
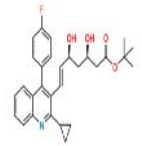
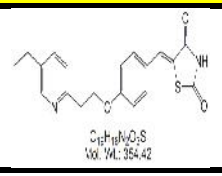
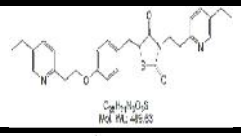
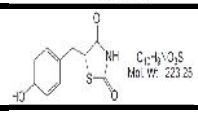
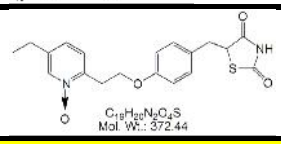
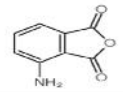
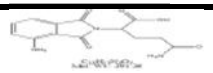
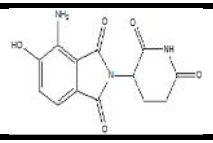
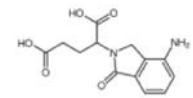
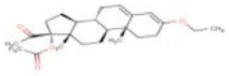
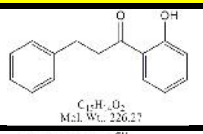
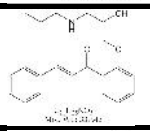
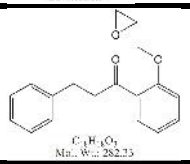
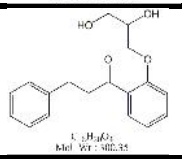
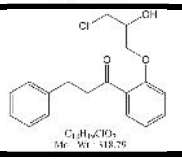
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Pitavastatin Z-Isomer	(Z)-Pitavastatin Calcium Salt;	1159588-21-2	C25H23FNO4	420.54	
	Pitavastatin Desfluoro Impurity	(3R,5S,E)-7-(2-cyclopropyl-4-phenylquinolin-3-yl)-3,5-dihydroxyhept-6-enoate	847849-67-6	C25H24NO4	403.47	
	Pitavastatin Methyl Ester	methyl (3R,5S,E)-7-(2-cyclopropyl-4-(4-fluorophenyl)quinolin-3-yl)-3,5-dihydroxyhept-6-enoate	849811-78-5	C26H26FNO4	435.5	
	Pitavastatin Lactone	(4R,6S)-6-((E)-2-(2-cyclopropyl-4-(4-fluorophenyl)quinolin-3-yl)vinyl)-4-hydroxytetrahydro-2H-pyran-2-one;(4R,6S,E)-6-[2-[2-Cyclopropyl-4-(4-fluorophenyl) quinolin-3-yl] vinyl] tetrahydro-4-hydroxypyran-2-one	141750-63-2	C25H22FNO3	403.45	
	Pitavastatin T-Butyl Ester	(3R,5S,6E)-7-[2-Cyclopropyl-4-(4-fluorophenyl) quinolin-3-yl]-3,5-dihydroxyhept-6-enoic acid t-butyl ester	586966-54-3	C29H32FNO4	477.57	
	PIOGLITAZONE					
	Pioglitazone EP Impurity B	Didehydro Pioglitazone Impurity ; 5-{4-[2-(5-Ethyl-2-pyridinyl) ethoxy] benzylidene}-2,4-thiazolidinedione.	144809-28-9 ; CAS # 627502-58-3 ;	C19H18N2O3S	354.42	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Pioglitazone EP Impurity C	N-Alkyl Pioglitazone ; 5-[[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-N-[2-(5-ethylpyridin-2-yl)ethyl]-2,4-thiazolidinedione	952188-00-0	C28H31N3O3S	489.63	
	Pioglitazone Metabolite	5-(4-Hydroxybenzyl)-1,3-thiazolidine-2,4-dione ;	74772-78-4	C10H9NO3S	223.25	
	Pioglitazone N-Oxide	5-[[4-[2-(5-Ethyl-2-pyridinyl]ethoxy]phenyl]methyl]-2,4-thiazolidinedione N-oxide ;	145350-09-0	C19H20N2O4S	372.44	
	POMALIDOMIDE					
	Pomalidomide Impurity 1	3-Aminophthalic Anhydride; 4-Amino-1,3-isobenzofurandione; NSC 403250	17395-99-2	C8H5NO3	163.13	
	Pomalidomide Impurity-2	2-(4-amino-1,3-dioxoisoindolin-2-yl)-4-carbamoylbutanoic acid	NA	C13H13N3O5	291.26	
	Pomalidomide Impurity 3	4-amino-5-hydroxy-2-(2,6-dioxopiperidin-3-yl)isoindoline-1,3-dione	NA	C13H11N3O5	289.24	
	Pomalidomide Impurity-4	2-(4-Amino-1,3-dihydro-1-oxo-2H-isoindol-2-yl)pentanedioic acid	295357-66-3	C13H14N2O5	278.26	
	PROGESTERONE					

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Progesterone Impurity 1	3-Ethoxy-17-hydroxy-pregna-3,5-dien-20-one Acetate	16319-93-0	C25H36O4	400.55	
	PROPAFENONE					
	Propafenone EP Impurity A	1-(2-Hydroxyphenyl)-3-phenylpropan-1-one.	3516-95-8	C15H14O2	226.27	
	Propafenone EP Impurity B	(2E)-1-[2-[(2RS)-2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenylprop-2-en-1-one ;	88308-22-9 (Z/E base) ; 1331636-87-	C21H25NO3	339.43	
	Propafenone EP Impurity C	1-[2-[[(2RS)-Oxiranyl]methoxy]phenyl]-3-phenylpropan-1-one ;	22525-95-7	C18H18O3	282.33	
	Propafenone EP Impurity D	1-[2-[(2RS)-2,3-Dihydroxypropoxy]phenyl]-3-phenylpropan-1-one ;	91401-73-9	C18H20O4	300.35	
	Propafenone EP Impurity E	1-[2-[(2RS)-3-Chloro-2hydroxypropoxy]phenyl]-3-phenylpropan-1-one ;	165279-79-8	C18H19ClO3	318.79	

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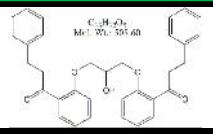
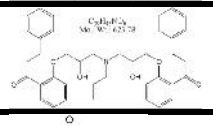
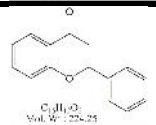
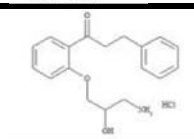
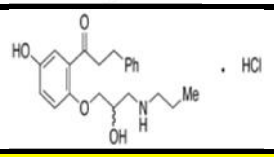
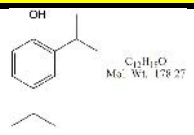
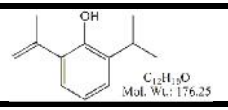
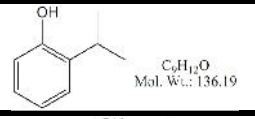
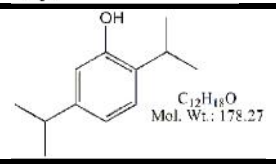
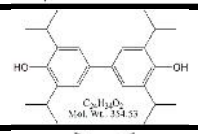
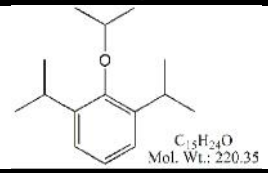
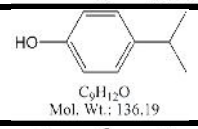
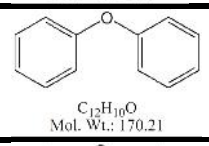
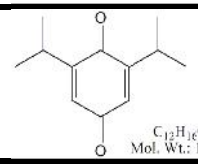
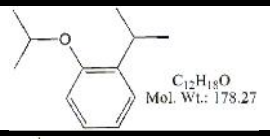
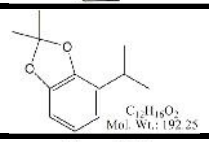
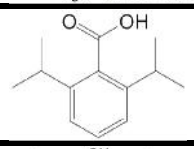
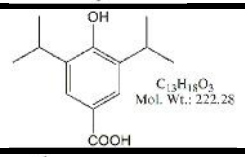
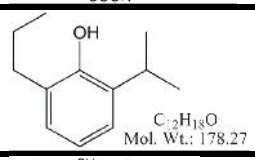
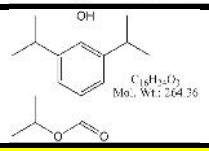
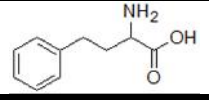
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Propafenone EP Impurity F	1,1?-[2-Hydroxypropane-1,3-diylbis(oxy-2,1-phenylene)]bis(3-phenylpropan-1-one) ;	1329643-40-4	C33H32O5	C33H32O5	
	Propafenone EP Impurity G	1,1?-[Propyliminobis[(2-hydroxypropane-3,1-diyl)oxy-2,1-phenylene]]bis(3-phenylpropan-1-one) ;	1346603-80-2 ;	C39H45NO6	623.78	
	Propafenone EP Impurity H	(2RS)-2-Phenyl-2,3-dihydro-4H-1-benzopyran-4-one ;	487-26-3	C15H12O2	224.25	
	N-Despropyl Propafenone HCl	NA	1188263-52-6	C18H21NO3. HCl	299.37 36.46	
	5-Hydroxy Propafenone Hydrochloride	1-[5-Hydroxy-2-[2-hydroxy-3-(propylamino)propoxy]phenl]-3-phenyl-1-propanone Hydrochloride; GPV 129;	86384-10-3	C21H28ClNO4	393.9	
	PROPOFOL					
	Propofol EP Impurity A	2,4-Bis(1-methylethyl)phenol	2934-05-06	C12H18O	178.27	
	Propofol EP Impurity B	2-(1-Methylethenyl)-6-(1-methylethyl)phenol ;	74926-89-9	C12H16O	176.25	

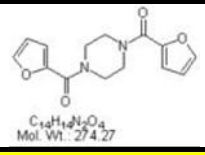
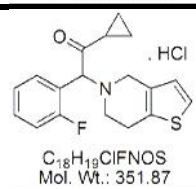
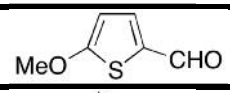
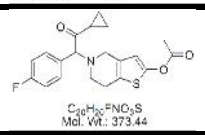
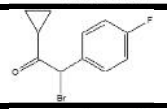
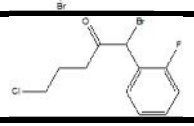
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Propofol EP Impurity C	2-(1-Methylethyl)phenol ;	88-69-7	C9H12O	136.19	
	Propofol EP Impurity D	Propofol BP Impurity D ; 2,5-Bis(1-methylethyl)phenol ;	35946-91-9	C12H18O	178.27	
	Propofol EP Impurity E	Propofol BP Impurity E ; Propofol USP RC A ; 3,3?,5,5?-Tetrakis(1-methylethyl)biphenyl-4,4?-diol ; 3,3'-5,5'-Tetraisopropyldiphenol ;	2416-95-7	C24H34O2	354.53	
	Propofol EP Impurity G	Propofol BP Impurity G ; Propofol USP RC C ; 2-(1-Methylethoxy)-1,3-bis(1-methylethyl)benzene ; 2,6-Diisopropylphenyl isopropyl ether ;	141214-18-8	C15H24O	220.35	
	Propofol EP Impurity H	Propofol BP Impurity H ; 4-(1-Methylethyl)phenol ;	99-89-8	C9H12O	136.19	
	Propofol EP Impurity I	Propofol BP Impurity I ; Oxydibenzene ;	101-84-8	C12H10O	170.21	
	Propofol EP Impurity J	2,6-Bis(1-methylethyl)benzene-1,4-dione ; 2,6-Diisopropylbenzoquinone ;	1988-11-0	C12H16O2	192.25	

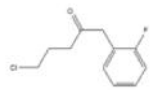
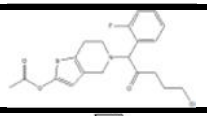
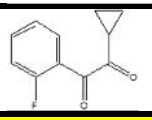
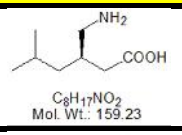
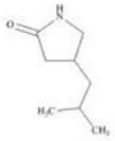
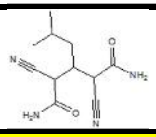
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Propofol EP Impurity K	Propofol BP Impurity K ; 1-(1-Methylethoxy)-2-(1-methylethyl)benzene ;	14366-59-7	C12H18O	178.27	
	Propofol EP Impurity L	Propofol BP Impurity L ; 2,2-Dimethyl-4-(1-methylethyl)-1,3-benzodioxole ;	201166-22-5	C12H16O2	192.25	
	Propofol EP Impurity M	2,6-Diisopropyl-benzoic Acid; 2,6-Diisopropylbenzoic acid.	92035-95-5	C13H18O2	206.28	
	Propofol EP Impurity N	Propofol BP Impurity N ; 4-Hydroxy-3,5-bis(1-methylethyl)benzoic acid ;	13423-73-9	C13H18O3	222.28	
	Propofol EP Impurity O	Propofol BP Impurity O ; 2-(1-Methylethyl)-6 propylphenol ;	74663-48-2	C12H18O	178.27	
	Propofol EP Impurity P	Propofol BP Impurity P ; 1-Methylethyl 4-hydroxy-3,5-bis(1-methylethyl)benzoate ;	NA	C16H24O3	264.36	
	PRAZOSIN					
	Prazosin Impurity-A	4-Amino-2-chloro-6,7-dimethoxyquinazoline	23680-84-4	C10H10ClN3O2	239.66	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Prazosin Impurity-B	1,4-Bis(furan-2-ylcarbonyl)piperazine	31350-27-3	C14H14N2O4	274.27	
	PRASUGREL					
	Prasugrel Desfluoro Hydrochloride	Prasugrel Desfluoro Hydrochloride ; Desfluoro Prasugrel Hydrochloride ; [5-[2-Cyclopropyl-1-phenyl-2-oxoethyl]-6,7-dihydro-4H-thieno[4,5-c]pyridin-2-yl] acetate hydrochloride ;	1391053-53-4	C20H22ClNO3S	391.91	
	Prasugrel HCl Desacetyloxy Impurity	Prasugrel HCl Desacetyloxy Impurity ; 2-Desacetoxy Prasugrel HCl ; 1-Cyclopropyl-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)-2-(2-fluoro phenyl)ethanone HCl ;	201049-78-7 (base)	C18H18FNOS (base) ;C18H19ClFNOS (HCl sal	315.41(base) ;351.87	
	Prasugrel Thiophene Impurity	5-Methoxy-2-thiophenecarboxaldehyde; 2-Formyl-5-methoxythiophene;	35087-46-8	C6H6O2S	142.18	
	Prasugrel Fluoro Isomer	[5-[2-Cyclopropyl-1-(4-fluorophenyl)-2-oxoethyl]-6,7-dihydro-4H-thieno[4,5-c]pyridin-2-yl]acetate ;	1391194-50-5	C20H20FNO3S	373.44	
	Prasugrel Fluoro CFBK	4-Fluoro-alpha-cyclopropylcarbonylbenzyl bromide	1359829-52-9	C11H10BrFO	257.1	
	Prasugrel Impurity 1	1-Bromo-5-chloro-1-(2-fluorophenyl)pentan-2-one	1373350-58-3	C11H11BrClFO	293.56	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Prasugrel Impurity 2	5-Chloro-1-(2-fluorophenyl)pentan-2-one	1056459-35-8	C11H12ClFO	214.66	
	Prasugrel Impurity 3	5-[5-Chlor-1-(2-fluorophenyl)-2-oxopentyl]4,5,6,7-tetrahydrothieno[3,2-c]pyridin-2-yl acetate	1056459-37-0	C20H21ClFNO3S	409.9	
	Prasugrel Impurity 4	1-Cyclopropyl-2-(2-fluorophenyl)ethane-1,2-dione	1391054-37-7	C11H9FO2	192.19	
	PREGABALIN					
	Pregabalin USP RC A	Pregabalin (R)-Isomer ; (R)-(-)-3-(Aminomethyl)-5-methylhexanoic acid ;	148553-51-9	C8H17NO2	159.23	
	Pregabalin Lactam Impurity	Pregabalin USP Related Compound C ; Pregabalin Lactam Impurity ; 4-(2-Methylpropyl)-2-pyrrolidinone ; 4-Isobutyl-2-pyrrolidinone ;	61312-87-6	C8H15NO	141.21	
	Pregabalin Impurity 1	2,4-Dicyano-3-isobutyl pentanediamide	185815-56-9	C11H16N2O4	236.27	
	PROMETHAZINE					

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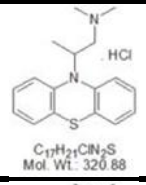
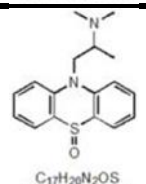
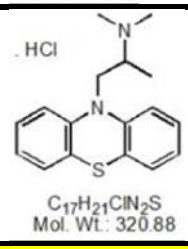
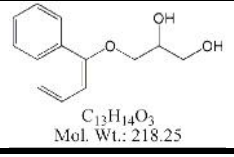
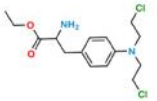
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Promethazine Impurity B	(2RS)-N,N-Dimethyl-2-(10H-phenothiazin-10-yl)propan-1-amine hydrochloride ;	5568-90-1	C17H21ClN2S	320.88	
	Promethazine EP Impurity D	(2RS)-N,N-Dimethyl-1-(10H-phenothiazin-10-yl)propan-2-amine S-oxide ;	7640-51-9	C17H20N2OS	300.42	
	Promethazine HCl	(2RS)-N,N-Dimethyl-1-(10H-phenothiazin-10-yl)propan-2-amine hydrochloride ;	58-33-3	C17H21ClN2S	320.88	
	PROPRANOLOL					
	Propranolol EP Impurity A	(2RS)-3-(Naphthalen-1-yloxy)propane-1,2-diol ; 3-(1-Naphthalenyloxy)-1,2-propanediol ;	36112-95-5	C13H14O3	218.25	
	Propranolol EP Impurity C	1,3-bis(Naphthalen-1-yloxy)propan-2-ol ; 1,3-Bis(1-Naphthoxy)-2-propanol ;	17216-10-3	C23H20O3	344.4	

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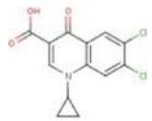
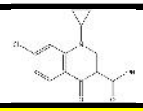
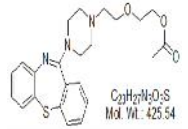
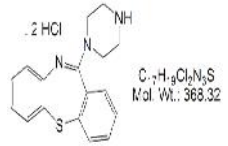
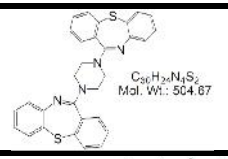
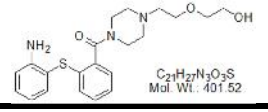
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
Q	**Q ACID**					
	Q Acid . (Chloro Analog)	**3-Quinolinecarboxylic acid, 6,7-dichloro-1-cyclopropyl-1,4-dihydro-4-oxo**	93107-31-4	C13H9Cl2NO3	298.12	
	Q.Acid (Des Fluoro Impurity)	**7-Chloro-1-cyclopropyl-4-oxo-1,4-dihydroquinoline-3-carboxylic acid.**	93110-13-5	C13H10ClNO3	263.676	
	QUETIAPINE					
	Quetiapine EP Impurity A	**Quetiapine Acetate ; 2-[2-(4-Dibenzo [b,f] [1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]-ethyl acetate ;**	844639-07-2	C23H27N3O3S	425.54	
	Quetiapine EP Impurity B	**Quetiapine DBTP Metabolite ; Quetiapine EP Impurity B ; Quetiapine USP Related Compound B ; Dibenzo[b,f][1,4]thiazepine-11-yl-piperazine dihydrochloride ; 11-Piperazin-1-yl-dibenzo[b,f][1,4]thiazepine Dihydrochloride ("DBTP") ;**	111974-74-4	C17H19Cl2N3S	368.32	
	Quetiapine EP Impurity D	**1,4-bis(Dibenzo[b,f][1,4]thiazepine-11-yl)piperazine ; 11,11'-(1,4-Piperazinediyl)-bis-dibenzo[b,f][1,4]thiazepine ;**	945668-94-0	C30H24N4S2	504.67	
	Quetiapine EP Impurity F	**(2-((2-Aminophenyl)thio)phenyl)(4-(2-(2-hydroxyethoxy)ethyl)piperazin-1-yl)methanone ;**	848814-27-7	C21H27N3O3S	401.52	

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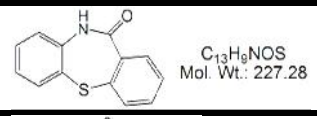
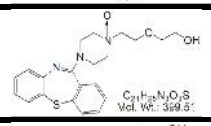
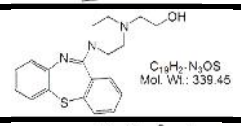
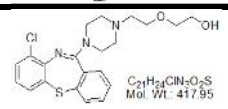
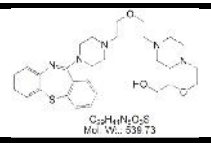
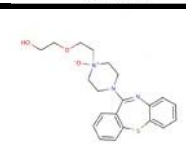
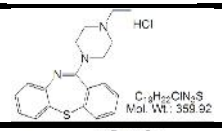
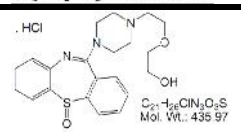
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Quetiapine EP Impurity G	Dibenzo[b,f][1,4]thiazepine-11(10-H)-one ;	3159-07-7	C13H9NOS	227.28	
	Quetiapine EP Impurity H	2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol N-oxide ;	1076199-40-0	C21H25N3O3S	399.51	
	Quetiapine EP Impurity I	Quetiapine Desethoxy Impurity (USP) ; Quetiapine Alcohol Impurity ; Quetiapine Ethanol Impurity ; 11-[4-(2-Hydroxyethyl)-1-piperazinyl]-dibenzo[b,f][1,4]thiazepine ;	329216-67-3	C19H21N3OS	339.45	
	Quetiapine EP Impurity L	9-Chloro Quetiapine ; 2-(2-(4-(9-Chlorodibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethoxy) ethanol ;	1371638-11-7	C21H24ClN3O2S	417.95	
	Quetiapine EP Impurity N	4-[2-[2-(4-Dibenzo [b,f] [1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethyl]-1-[(2-hydroxyethoxyl)ethyl]-piperazine ;	1800291-86-4	C27H37N5O2S	495.68	
	Quetiapine N-Oxide	2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol N-Oxide; Quetiapine EP Impurity H	1076199-40-0	C21H25N3O3S	399.51	
	Quetiapine EP Impurity P	11-(4-Ethylpiperazin-1-yl)dibenzo[b,f][1,4]thiazepine hydrochloride ;	1011758-03-4	C19H22ClN3S	359.92	
	Quetiapine EP Impurity S	2-[2-[4-(5-Oxidodibenzo[b,f][1,4]thiazepin-11-yl)-1-piperazinyl]ethoxy]ethanol HCl ;	329216-63-9	C21H25N3O3S;C21H25N3O3S.HCl (HCl Salt) ;	399.51 ; 435.97(HCl	

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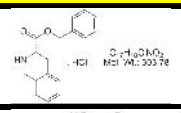
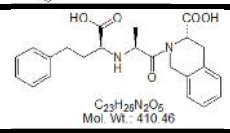
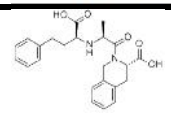
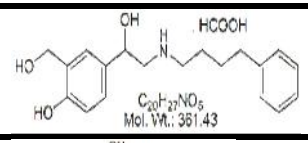
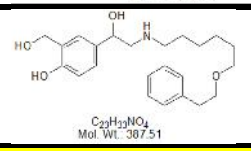
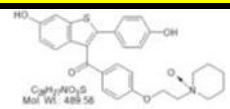
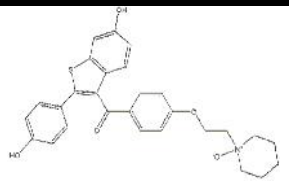
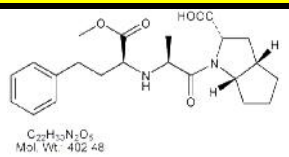
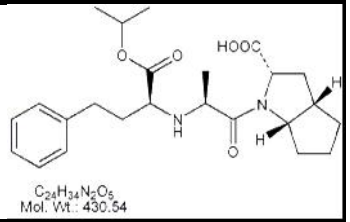
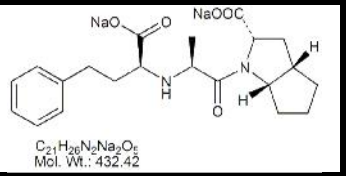
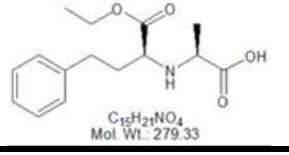
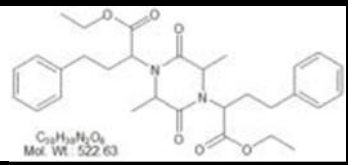
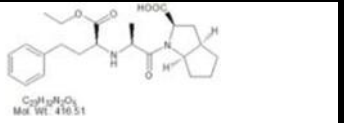
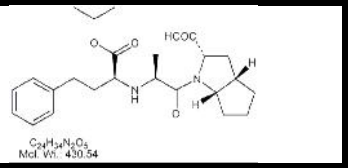
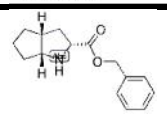
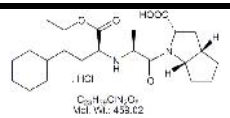
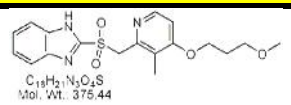
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	QUINAPRIL					
	Quinapril Benzyl Ester	(S)-1,2,3,4-Tetrahydroisoquinoline-3-carboxylic acid benzyl ester HCl ;	103733-30-8	C17H18ClNO2	303.78	
	Quinapril EP Impurity C	[3S-[2[R*(R*)],3R*]]-2-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid ;	82768-85-2	C23H26N2O5	410.46	
	Quinaprilat Hydrate	**CI-92;ci928;quinaprilat;Quinapril USP RC B;QUINAPRILAT HYDRATE;Quinapril EP Impurity C;Quinapril Related CoMpound B;Quinapril USP Related CoMpound B;(3s-(2(r*(r*)),3r*))-yl)amino)-1-oxopropyl);3-isoquinolinecarboxylicacid,1,2,3,4-tetrahydro-2-(2-((1-carboxy-3-phenylprop**	82768-85-2	C23H26N2O5	410.47	
						
	Salmeterol EP Impurity B	1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[[6-(2-phenylethoxy)hexyl]amino] ethanol ;				
R	**RALOXIFENE**					
	Raloxifene EP Impurity C	[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b]thien-3-yl][4-[2-(1-piperidinyl) ethoxy]phenyl]methanone N-oxide ;	195454-31-0	C28H27NO5S	489.58	

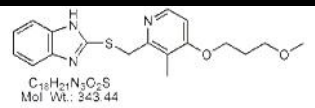
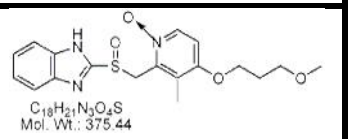
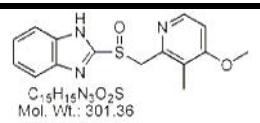
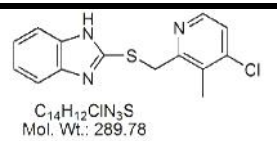
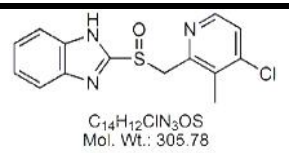
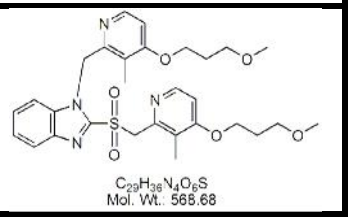
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Raloxifene N-Oxide	Raloxifene N-Oxide;Raloxifene EP IMpurity C;Raloxifene Related CoMpound C;Raloxifene IMpurity: IMpurity B;1-(2-{4-[6-Hydroxy-2-(4-hydroxyphenyl)benzothiophene-3-carbonyl]phenoxy}ethyl)piperidine 1-oxide;[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b]thien-3-yl][4-[2-(1-oxido-1-piperidinyl)ethoxy]phenyl]Methanone;Raloxifene Related Compound C (20 mg) (1-(2-{	195454-31-0	C28H27NO5S	489.58268	
	RAMIPRIL					
	Ramipril EP Impurity A	Ramipril USP Related Compound A ; Ramipril Methyl Ester Analog ; (2S,3aS,6aS)-1-[(S)-2-[[(S)-1-(Methoxycarbonyl)-3-phenylpropyl]amino]propanoly]octahydrocyclopenta[b]pyrrole-2-carboxylic acid ;	NA	C22H30N2O5	402.48	
	Ramipril EP Impurity B	(2S,3aS,6aS)-1-[(S)-2-[[(S)-1-[(methylethoxy)carbonyl]-3-phenylpropyl]amino] propanoyl]octahydrocyclopenta[b]pyrrole-2-carboxylic acid ;	295328-72-2	C24H34N2O5	430.54	
	Ramipril EP Impurity E	(2S,3aS,6aS)-1-[(S)-2-[[(S)-1-carboxy-3-phenylpropyl]amino]propanoyl]octahydrocyclopenta[b]pyrrole-2-carboxylic acid disodium salt ;	87269-97-4 (acid)	C21H28N2O5	388.46	
	Ramipril EP Impurity F	Trandolapril ECPPA Impurity ; (2S)-2-[[(1S)-1-(Ethoxycarbonyl)-3-phenylpropyl]amino] propanoic acid ; N-[(S)-(+)-1-(Ethoxycarbonyl)-3-phenylpropyl]-L-alanine ("ECPPA") ;	82717-96-2	C15H21NO4	279.33	

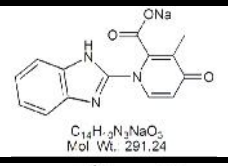
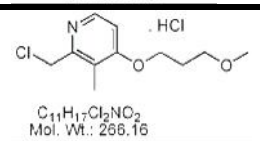
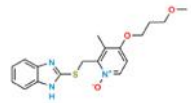
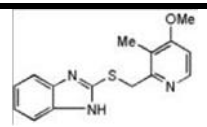
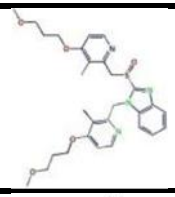
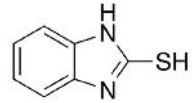
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ramipril EP Impurity O	Diethyl 2,2'-(2,5-dimethyl-3,6-dioxopiperazine-1,4-diyl)bis(4-phenylbutanoate) ;	151387-05-2	C30H38N2O6	522.63	
	Ramipril EP Impurity N	(2R,3aR,6aR)-1-[(S)-2-[[(S)-1-(ethoxycarbonyl)-3-phenylpropyl]amino]propanoyl]octahydrocyclopenta [b] pyrrole-2-carboxylic acid ;	129939-63-5	C23H32N2O5	416.51	
	Ramipril EP Impurity B	(2S,3aS,6aS)-1-[(S)-2-[[(S)-1-[(methylethoxy)carbonyl]-3-phenylpropyl]amino] propanoyl]octahydrocyclopenta[b]pyrrole-2-carboxylic acid ;	295328-72-2	C24H34N2O5	430.54	
	(R,R,R)-2-AZABICYCLO[3.3.0] OCTANE-3-CARBOXYLIC ACID, BENZYL ESTER	(R,R,R)-2-AZABICYCLO[3.3.0]OCTANE-3-CARBOXYLIC ACID, BENZYL ESTER;(2R,3aR,6aR)-Octahydro-cyclopenta[b]pyrrole-2-carboxylic Acid PhenylMethyl Ester	129101-19-5	C15H19NO2	245.32	
	Ramipril EP Impurity C	(2S,3aS,6aS)-1-[(S)-2-[[(S)-1-(Ethoxycarbonyl)-3-cyclohexylpropyl]amino]propanoyl]octahydrocyclopenta[b]pyrrole-2-carboxylic acid hydrochloride ;	99742-35-5	C23H39ClN2O5	459.02	
	RABEPRAZOLE					
	Rabeprazole EP Impurity A	Rabeprazole USP Related Compound D ;Rabeprazole Sulfone ;2-[[4-(3-Methoxypropoxy)-3-methyl-pyridin-2-yl]methylsulfonyl]benzoimidazole ;	117976-47-3	C18H21N3O4	375.44	

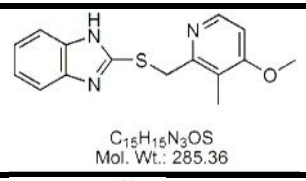
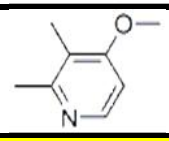
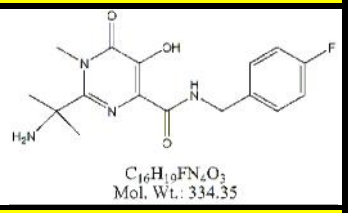
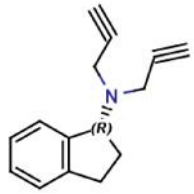
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Rabeprazole EP Impurity B	2-[[4-(3-Methoxypropoxy)-3-methyl-pyridin-2-yl]methylthio]benzoimidazole ;	117977-21-6	C18H21N3O2S	343.44	
	Rabeprazole EP Impurity D	Rabeprazole N-Oxide ; 2-[[[1-Oxide-4-(3-methoxypropoxy)-3-methyl-2-pyridinyl] methyl]sulfinyl]-1H-benzimidazole ;	924663-38-7	C18H21N3O4S	375.44	
	Rabeprazole EP Impurity E	4-Desmethoxypropoxyl-4-Methoxy Rabeprazole ; 2-[[(4-Methoxy-3-methyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole ;	102804-77-3	C15H15N3O2S	301.36	
	Rabeprazole 4-Chloro Analog Sulfide	2-[(RS)-[(4-Chloro-3-methylpyridin-2-yl)methyl]sulphinyl]-1H-benzimidazole ; 4-Desmethoxypropoxyl-4-Chloro Rabeprazole Sulfide ;	103312-62-5	C14H12ClN3S	289.78	
	Rabeprazole EP Impurity H	2-[(RS)-[(4-Chloro-3-methylpyridin-2-yl)methyl]sulphinyl]-1H-benzimidazole ; 4-Desmethoxypropoxyl-4-Chloro Rabeprazole ;	168167-42-8	C14H12ClN3OS	305.78	
	Rabeprazole N-Alkyl Sulfone	1-[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl]methyl]-2-[[[4-(3-methoxypropoxy)-3-methyl-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole ;	1246818-79-0	C29H36N4O6S	568.68	

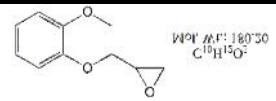
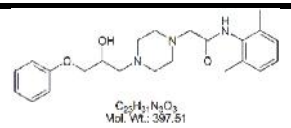
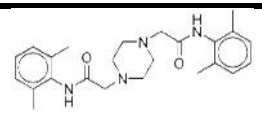
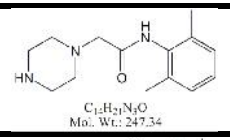
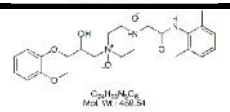
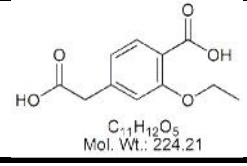
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Rabeprazole EP Impurity C	(1H-Benzimidazol-2-yl)-3-methyl-4-oxo-1,4-dihydropyridine-2-carboxylate, sodium salt ;	1163685-30-0 (free acid) ;	C14H10N3NaO3	291.24	
	Rabeprazole 2-Chloromethyl Impurity	2-Chloromethyl-3-methyl-4-(3-methoxypropoxy)pyridine hydrochloride ;	153259-31-5	C11H17Cl2NO2	266.16	
	Rabeprazole Sulfide N-Oxide	Rabeprazole Sulfide N-Oxide ; 2-[[[4-(3-Methoxypropoxy)-3-methyl-1-oxido-2-pyridinyl]methyl]thio]-1H-benzimidazole.	924663-40-1	C18H21N3O3S	359.44	
	Rabeprazole Methoxy Sulfide	2-{[(4-Methoxy-3-methylpyridin-2-yl)methyl]thio}benzimidazole.	102804-82-0	C15H15N3OS	285.36	
	Rabeprazole Impurity Dimer	2-[[[3-Methyl-4(3-methoxypropoxy)-pyridine-2-yl]methyl]sulphinyl]-1[[[4-(3-methoxypropoxy)-3-methyl]pyridine-2-yl]methyl]-1H-benzimidazole.	NA	C29H36N4O5S	552.69	
	2-Mercaptobenzimidazole	1,3-Dihydro-2H-benzimidazole-2-thione; 2-Benzimidazolinethione; 1H-Benzimidazole-2-thiol; 2-Mercapto-1H-benzimidazole; 2-Thiobenzimidazole; Antigene MB; Antioxidant Rabeprazole Related Compound CMB; Permanax 21; Sandant MB; Sumilizer MB; Vulkanox; o-Phenylenethiourea; Rabeprazole Related	583-39-1	C7H6N2S	C7H6N2S	

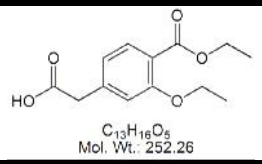
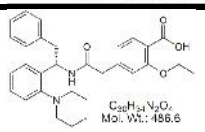
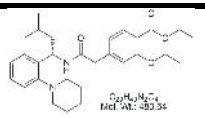
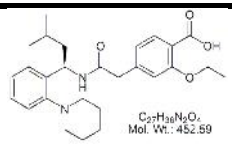
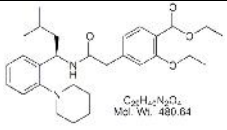
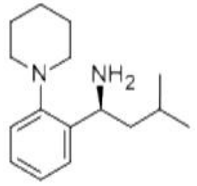
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
		Compound C USP,				
	Rabeprazole EP Impurity G	Rabeprazole Sulfide 4-Methoxy Analog ; 4-Desmethoxypropoxyl-4-Methoxy Rabeprazole Sulfide ; 2-[[(4-Methoxy-3-methyl-2-pyridinyl)methyl]sulfanyl]-1H-benzimidazole ;	102804-82-0	C15H15N3OS	285.36	
	Rabeprazole Methoxy IMP SM	Pyridine, 4-methoxy-2,3-dimethyl- (9CI).	163593-69-9	C8H11NO	137.18	
	RALTEGRAVIR					
	Raltegravir Amine Impurity	2-(2-Aminopropan-2-yl)-N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide ;	518048-03-8	C16H19FN4O3	334.35	
	RASAGILINE					
	Rasagiline Mesylate Impurity C	Rasagiline Mesylate Impurity C;Dipropargyl r-amino indane;(R)-N,N-di(prop-2-yn-1-yl)-2,3-dihydro-1H-inden-1-amine;Dipropargyl r-amino indane.	1458609-07-8	C15H15N	209.29	
	RONALAZINE					

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ranolazine USP RC A	2-[(2-Methoxyphenoxy)methyl]oxirane ; 1-(2,3-Epoxypropoxy)-2-methoxybenzene ;	2210-74-4	C10H12O3	180.20	
	Ranolazine USP RC B	N-(2,6-Dimethylphenyl)-4-(2-hydroxy-3-phenoxypropyl)-1-piperazineacetamide ;	755711-09-2	C23H31N3O3	397.51	
	Ranolazine Impurity 1	N1,N4-Bis(2,6-dimethylphenyl)-1,4-piperazinediacetamide; Impurity:	380204-72-8	C24H32N4O2	408.54	
	Ranolazine USP RC c	N-(2,6-Dimethylphenyl)-1-piperazineacetamide ;	5294-61-1	C14H21N3O	247.34	
	Ranolazine Bis-N-Oxide	N-(2,6-Dimethylphenyl)-4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]-1-piperazine acetamide 1,4-dioxide ;	1246816-00-1	C24H33N3O6	459.54	
REPAGLINIDE						
	Repaglinide EP Impurity A	4-(Carboxymethyl)-2-ethoxybenzoic acid	220438-80-2	C11H12O5	224.21	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Repaglinide EP Impurity B	[3-Ethoxy-4-(ethoxycarbonyl)phenyl]acetic acid ;	99469-99-5	C13H16O5	252.26	
	Repaglinide USP RC C	(S)-2-Ethoxy-4-[2-[[2-phenyl-1-[2-(1-piperidinyl)phenyl]ethyl]-amino]-2-oxoethyl] benzoic acid ;	107362-12-9	C30H34N2O4	486.6	
	Repaglinide EP Impurity D	Repaglinide Ethyl Ester ; Ethyl 2-ethoxy-4-[2-[[(1S)-3-methyl-1-[2-(piperidin-1-yl)phenyl] butyl] amino]-2-oxoethyl]benzoate ;	147770-06-7	C29H40N2O4	480.64	
	Repaglinide EP Impurity E	Repaglinide R-Isomer ; 2-Ethoxy-4-[2-[[(1R)-3-methyl-1-[2-(piperidin-1-yl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid ;	147852-26-4	C27H36N2O4	452.59	
	Repaglinide R-Isomer Ethyl Ester	2-Ethoxy-4-[2-[[(1R)-3-methyl-1-[2-(piperidin-1-yl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid ethyl ester ;	147770-08-9	C29H40N2O4	480.64	
	(S)-3-Methyl-1-(2-Piperidin-1-Ylphenyl)Butylamine	(S)-[A-(2-methylpropyl)-2-(1-piperidinyl)benzene-methanamine (S)-3-METHYL-1-[2-(1-PIPERIDINYL)PHENYL]-BUTYLAMINE Repaglinide Intermediate 1 Repaglinide intermediate 4 (S)-3-Methyl-1-(2-piperidin-1-ylphenyl)butylamine.	147769-93-5	C16H26N2	246.39	

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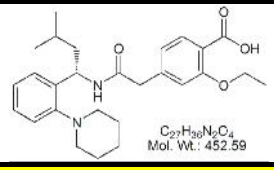
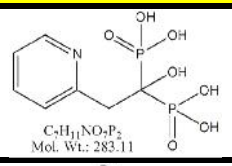
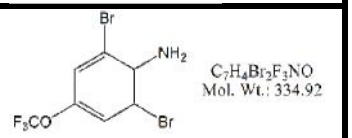
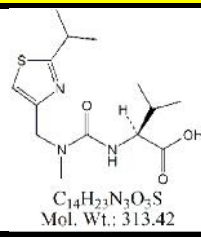
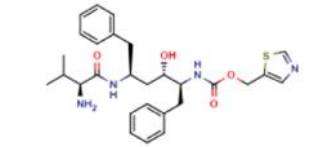
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Repaglinid	2-Ethoxy-4-[2-[[(1S)-3-methyl-1-[2-(piperidin-1-yl)phenyl] butyl] amino]-2-oxoethyl]benzoic acid ;	135062-02-1	C27H36N2O4	452.59	
	RISEDRONATE					
	Risedronate EP Impurity B	Risedronate USP RC A ; [1-Hydroxy-2-(pyridin-2-yl)ethylidene]bis(phosphonic acid) ;	105462-23-5	C7H11NO7P2	283.11	
	Riluzole Dibromo Impurity	Dibromotrifluoromethoxyaniline ; 2,6-Dibromo-4-(trifluoromethoxy)aniline ; 2,6-Dibromo-4-(trifluoromethoxy)benzenamine ;	88149-49-9	C7H4Br2F3NO	334.92	
	RITONAVIR					
	Ritonavir EP Impurity A	Ritonavir BP Impurity A ; Ureidovaline Ritonavir (USP) ; (2S)-3-Methyl-2-[[methyl[[2-(1-methylethyl)thiazol-4-yl]methyl]carbamoyl] amino]butanoicacid ;	154212-61-0	C14H23N3O3S	313.42	
	Ritonavir EP Impurity B	NA	165315-97-9	C28H36N4O4S	524.67	

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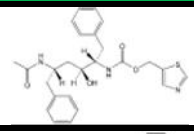
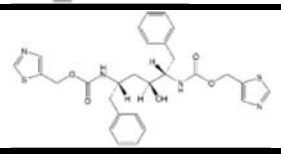
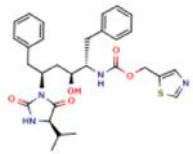
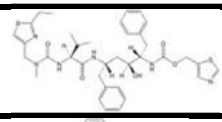
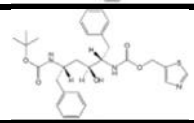
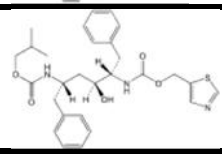
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ritonavir EP Impurity C	NA	1010808-43-1	C25H29N3O4S	467.58	
	Ritonavir Impurity D	NA	NA	C28H30N4O5S2	566.69	
	Ritonavir EP Impurity E	NA	176655-56-4	C37H48N6O6S2	736.94	
	Ritonavir EP Impurity F	NA	1010809-61-6	C29H34N4O5S	550.67	
	Ritonavir EP Impurity I	NA	165315-26-4	C36H46N6O5S2	706.92	
	Ritonavir EP Impurity J	NA	162849-95-8	C28H35N3O5S	525.66	
	Ritonavir EP Impurity K	NA	NA	C28H35N3O5S	525.66	

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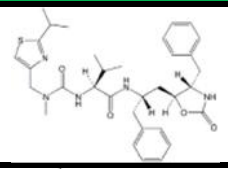
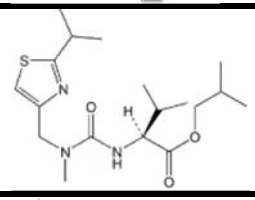
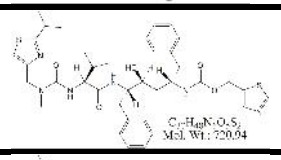
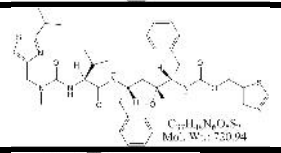
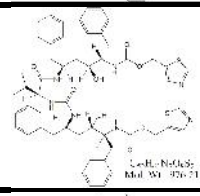
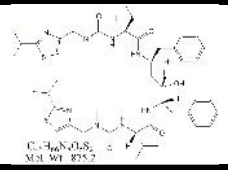
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ritonavir EP Impurity L	NA	256328-82-2	C33H43N5O4S	605.79	
	Ritonavir EP Impurity M	NA	NA	C18H31N3O3S	369.52	
	Ritonavir EP Impurity N	**NA**	202816-62-4	C37H48N6O5S2	720.94	
	Ritonavir EP Impurity O	NA	1414933-81-5	C37H48N6O5S2	720.94	
	Ritonavir EP Impurity S	NA	NA	C52H61N7O8S2	976.21	
	Ritonavir EP Impurity T	**NA**	869368-48-9	C46H66N8O5S2	875.2	

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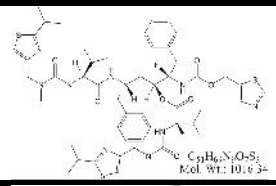
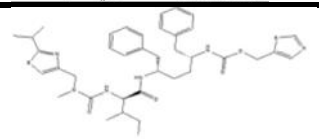
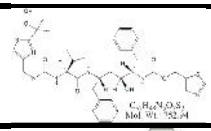
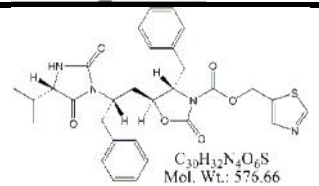
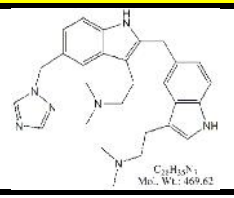
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ritonavir EP Impurity U	NA	NA	C51H69N9O7S3	1016.34	
	Ritonavir Imurity V	(thiazol-5-yl)methyl (2R,5S)-1,6-diphenyl-5-(urea)hexan-2-ylcarbamate	NA	C38H50N6O4S2	718.97	
	Ritonavir EP Impurity G	NA		C37H48N6O7S2	752.94	
	Ritonavir EP Impurity H	Ritonavir BP Impurity H ; Hydantoin-Oxazolidinone Ritonavir (USP) ; Des-Isopropylthiazolyl Hydantoin-Oxazolidinone Ritonavir ; Thiazol-5-yl-methyl (4S,5S)-4-benzyl-5-[(2S)-2-[(4S)4-(1-methylethyl)-2,5-dioxoimidazolidin-1-yl]-3phenylpropyl]-2-oxooxazolidine-3-carboxylate ;	1010809-43-4	C30H32N4O6S	576.66	
RIZATRIPTAN						
	Rizatriptan EP Impurity A	2-[2-[[3-[2-(Dimethylamino)ethyl]-1H-indol-5-yl]methyl]5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]-N,N-dimethylethanamine ;	NA	C28H35N7	469.62	

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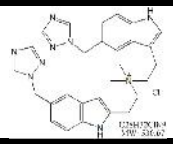
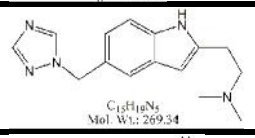
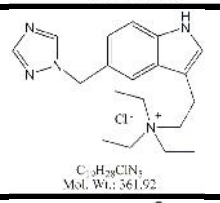
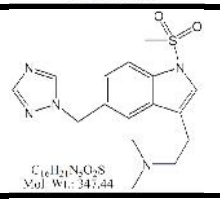
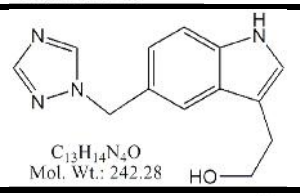
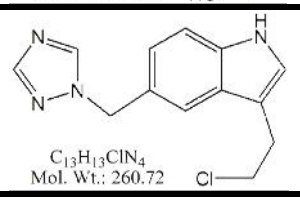
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Rizatriptan EP Impurity B	N,N-Dimethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1Hindol-3-yl]-N-[2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1Hindol-3-yl]ethyl]ethanaminium chloride ;	NA	C28H32ClN9	530.07	
	Rizatriptan EP Impurity C	Iso Rizatriptan ; N,N-Dimethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1Hindol-2-yl]ethanamine ;	208941-96-2	C15H19N5	269.34	
	Rizatriptan EP Impurity D	N,N,N-Triethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1Hindol-3-yl]ethanaminium chloride ;	NA	C19H28ClN5	361.92	
	Rizatriptan EP Impurity E	N,N-Dimethyl-2-[1-(methylsulfonyl)-5-(1H-1,2,4-triazol-1ylmethyl)-1H-indol-3-yl]ethanamine ;	NA	C16H21N5O2S	347.44	
	Rizatriptan EP Impurity F	2-[5-(1H-1,2,4-Triazol-1-ylmethyl)-1H-indol-3-yl]ethanol ;	NA	C13H14N4O	242.28	
	Rizatriptan EP Impurity G	3-(2-Chloroethyl)-5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indole ;	1000673-59-5	C13H13ClN4	260.72	

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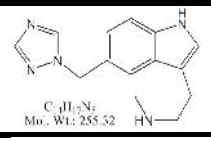
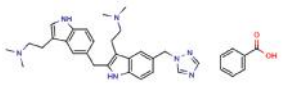
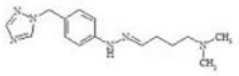
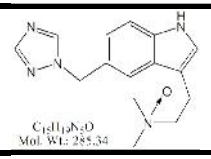
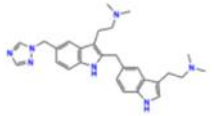
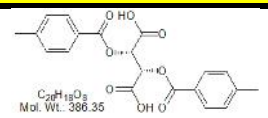
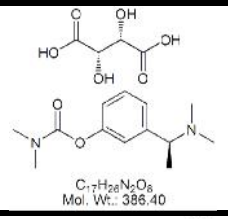
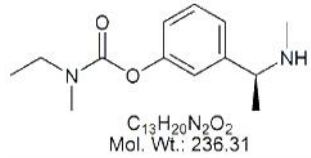
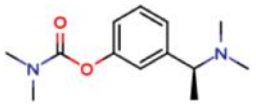
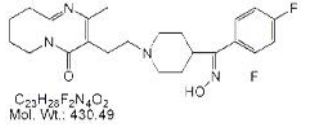
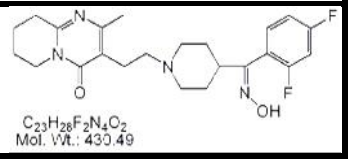
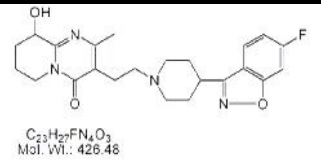
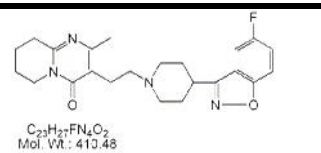
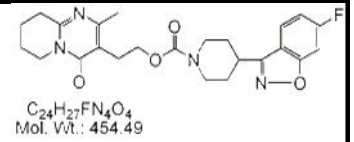
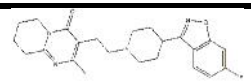
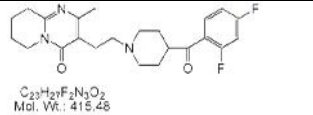
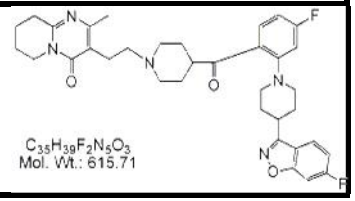
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Rizatriptan EP Impurity I	N-Desmethyl Rizatriptan ; N-Methyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indol3-yl]ethanamine ;	144034-84-4	C14H17N5	255.32	
	2-[[3-[2-(Dimethylamino)Ethyl]-1H-Indol-5-Yl]Methyl] Rizatriptan Benzoate.	2-[[3-[2-(Dimethylamino)ethyl]-1H-indol-5-yl]methyl]-N,N-dimethyl-5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indole-3-ethanamine Benzoate; Rizatriptan Dimer Benzoate;	1016900-25-6	C35H41N7O2	591.75	
	Hydrazone Impurity	NA	1016900-24-5	C15H22N6	286.38	
	Rizatriptan N-Oxide	N,N-Dimethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]ethanamine N-oxide ;	260435-42-5	C15H19N5O	285.34	
	Rizatriptan Dimer	2-(5-((1H-1,2,4-triazol-1-yl)methyl)-2-((3-(2-(dimethylamino)ethyl)-1H-indol-5-yl)methyl)-1H-indol-3-yl)-N,N-dimethylethan-1-amine.	NA	C28H35N7	469.64	
RIVASTIGMINE						
	Rivastigmine USP RC A	Rivastigmine USP Related Compound A ; (+)-Di-p-toluoyl-D-(+)-tartaric acid ;	32634-68-7	C20H18O8	386.35	

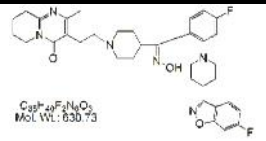
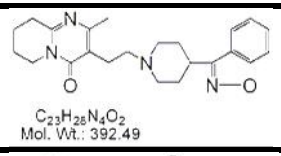
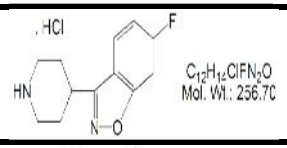
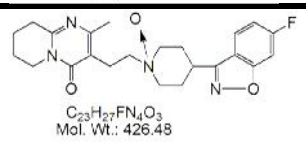
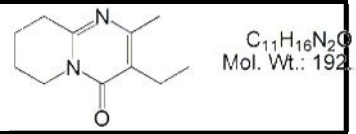
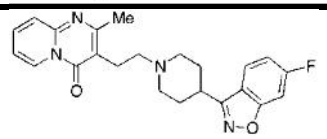
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Rivastigmine USP RC B	Rivastigmine USP Related Compound B (Tartrate Salt) ; Rivastigmine Tartrate Dimethyl Analog ; (S)-3-[1-(Dimethylamino)ethyl]phenyl dimethylcarbamate tartrate ; N,N-Dimethylcarbamic acid 3-[(S)-1-(dimethyl amino) ethyl]phenyl ester tartrate ;	25081-93-0 (rac base)	C17H26N2O8	386.40	
	Rivastigmine EP Impurity E	3-[(1S)-1-(Methylamino)ethyl]phenyl ethyl(methyl)-carbamate ;	923035-05-6	C13H20N2O2	236.31	
	Desmethyl Rivastigmine	N,N-Dimetino)ethyl]phenyl Ester	1230021-28-9	C13H20N2O2	236.31	
RISPERIDONE						
	Risperidone EP Impurity A	3-[2-[4-[(E)-(2,4-difluorophenyl)(hydroxyimino)methyl]piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one ;	691007-09-7	C23H28F2N4O2	430.49	
	Risperidone EP Impurity B	3-[2-[4-[(Z)-(2,4-Difluorophenyl)(hydroxyimino) methyl]piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one ;	132961-05-8	C23H28F2N4O2	430.49	

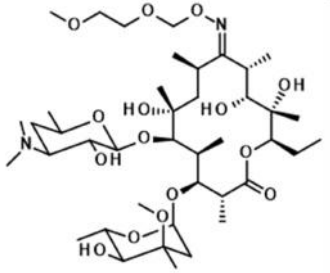
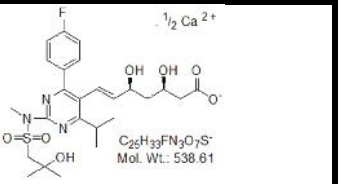
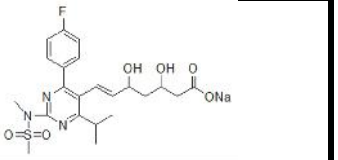
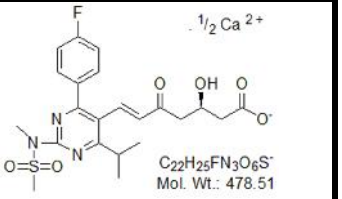
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Risperidone EP Impurity C	(9RS)-3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)piperidin-1-yl]ethyl]-9-hydroxy-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one ;	144598-75-4	C23H27FN4O3	426.48	
	Risperidone EP Impurity D	Risperidone BP Impurity D ; Risperidone 5-Fluoro Isomer ; 3-[2-[4-(5-Fluoro-1,2-benzisoxazol-3-yl)piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one ;	1199589-74-6	C23H27FN4O2	410.48	
	Risperidone EP Impurity F	2-[2-Methyl-4-oxo-6,7,8,9-tetrahydro-4H-pyrido[1,2-a] pyrimidin-3-yl] ethyl 4-(6-fluoro-1,2-benzisoxazol-3-yl)piperidin-1-carboxylate ;	1346603-86-8	C24H27FN4O4	454.49	
	Risperidone EP IMpurity G	Risperidal impurityG;Risperidone EP IMpurity G	NA	C23H27FN4O2	410.49	
	Risperidone EP Impurity H	3-[2-[4-(2,4-Difluorobenzoyl)piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one ;	158697-67-7	C23H27F2N3O2	415.48	
	Risperidone EP Impurity I	3-[2-[4-[4-Fluoro-2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)piperidin-1-yl]benzoyl]piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-4H- pyrido[1,2-a]pyrimidin-4-one ;	1329796-66-8	C36H39F2N5O3	615.71	

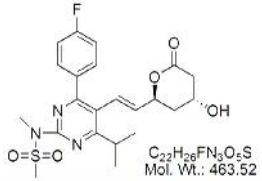
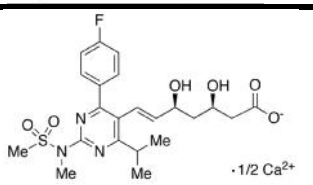
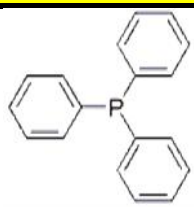
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Risperidone EP Impurity J	3-[2-[4-[(Z)-(4-Fluoro-2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)piperidin-1-yl)phenyl](hydroxyimino)methyl]piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one ;	1346606-24-3	C35H40F2N6O3	630.73	
	Risperidone EP Impurity K	3-[2-[4-(1,2-Benzisoxazol-3-yl)piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-4Hpyrido[1,2-a]pyrimidin-4-one ;	106266-09-5	106266-09-5	392.49	
	Risperidone EP Impurity M	Risperidone EP Impurity M ; Risperidone Amine Impurity (HCl Salt) ; Paliperidone USP RC B ; 6-Fluoro-3-(4-piperidinyl)-1,2-benzisoxazole hydrochloride ;	84163-13-3 (HCl salt) ;	C12H14ClFN2O	256.70	
	Risperidone N-Oxide	3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-oxido-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one ;	832747-55-4	C23H27FN4O3	426.48	
	Risperidone Ethyl Impurity	3-Ethyl-2-methyl-6,7,8,9-tetrahydro-4H-pyrido-(1,2-a)-pyrimidin-4-one ;	70381-58-7	C11H16N2O	192.26	
	Tetradehydro Risperidone	3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one; 1,2-Benzisoxazole, 4H-pyrido[1,2-a]pyrimidin-4-one deriv.	108855-18-1	C23H23FN4O2	406.45	
ROXITHROMYCIN						

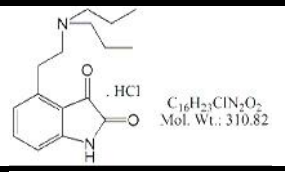
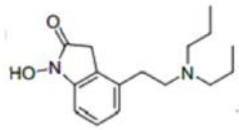
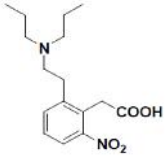
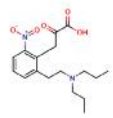
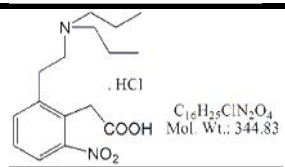
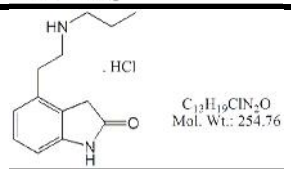
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Roxithromycin EP Impurity F	Roxithromycin EP Impurity F;(E)-N-Demethylroxithr4R,E)-14-ethyl-7,12,13-trihydroxy-4-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-6-(((2S,3R,4S,6R)-3-hydroxy-6-methyl-4-(methylamino)tetrahydro-2H-pyran-2-yl)oxy)-10-(((2-methoxyethoxy)methoxy)imino)-3,5,7,9,11,13-hexamethyl2-one.	118267-18-8	C40H74N2O15	823.02	
	ROSUVASTATIN					
	Rosuvastatin EP Impurity A (Calcium Salt)	Rosuvastatin EP Impurity A (Calcium Salt) ; Rosuvastatin USP RC A ; S-Desmethyl-S-(2-Hydroxy-2-Methylpropyl) Rosuvastatin Calcium ; (3R,5S,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl (2-hydroxy-2-methylpropylsulfonyl)amino]-5-pyrimidinyl]-3,5-dihydroxy- 6-heptenoic acid calcium salt ;	1714147-50-8	C25H33FN3O7S	538.61	
	Rosuvastatin EP Impurity B	Anti isomer impurity of Rosuvastatin;(3RS,5RS,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl (methyl sulfonyl)amino]-5-pyrimidinyl]-3,5-dihydroxy- 6-heptenoic acid sodium salt;	NA	C22H27FN3NaO6S	503.52	
	Rosuvastatin EP Impurity C (Calcium Salt)	Rosuvastatin EP Impurity C (Calcium Salt) ; Rosuvastatin 5-Oxo Calcium ; 5-Oxo-Rosuvastatin Calcium ; 3-Hydroxy-5-Keto Rosuvastatin Calcium ; (3R,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl(methylsulfonyl) amino]-5-pyrimidinyl]-3-hydroxy-5-oxo-6-heptenoic acid calcium salt ;	1422619-13-3 (acid)	C22H25FN3O6S	478.51	

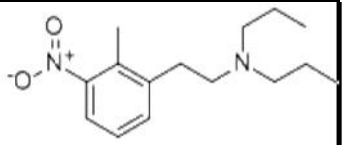
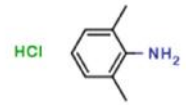
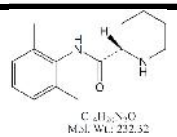
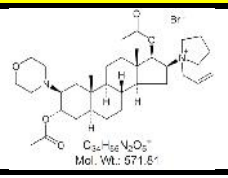
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Rosuvastatin EP Impurity G	Rosuvastatin USP RC D ; Rosuvastatin Calcium Enantiomer ; enti-Rosuvastatin Calcium ; Rosuvastatin Calcium (3S,5R)-Isomer; (3S,5R)-Rosuvastatin Calcium ; (3S,5R,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl (methyl sulfonyl) amino]-5-pyrimidinyl]-3,5-dihydroxy-6-heptenoic acid calcium salt ;	1242184-42-4 (acid)	C22H27FN3O6S	480.53	
	Rosuvastatin Lactone	N-[4-(4-Fluorophenyl)-6-(1-methylethyl)-5-[(1E)-2-[(2S,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethenyl]-2-pyrimidinyl]-N-methylmethanesulfonamide ;	503610-43-3	C22H26FN3O5S	463.52	
	Rosuvastatin Calcium Salt	(3R,5S,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl(methylsulfonyl)amino]-5-pyrimidinyl]-3,5-dihydroxy-6-heptenoic Acid Calcium Salt; Crestor; ZD 4522 Calcium Salt; Rosuvastatin Hemicalcium; Rosuvastatin Calcium; Fortius; Rostar; S 4522;	147098-20-2	C22H27FN3O6S	500.57	
ROPINIROLE						
	Ropinirole Impurity A (Monopropyl Ropinirole)	Ropinirole N-Despropyl Impurity ; 4-[2-(Propylamino)ethyl]-2-indolinone monohydrochloride ; Monopropyl Ropinirole.	173990-76-6	C13H18N2O	218.29	

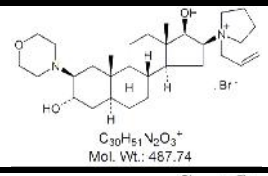
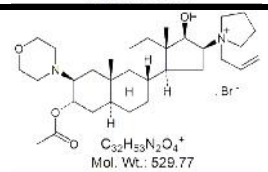
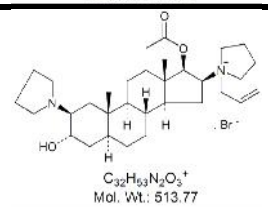
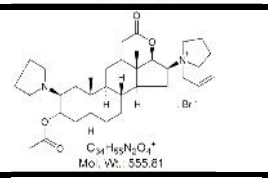
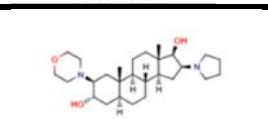
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ropinirole USP RC B	3-Oxo Ropinirole Hydrochloride ; 4-[2-(Dipropylamino)ethyl]indoline-2,3-dione HCl ;	221264-21-7	C16H23ClN2O2	310.82	
	Ropinirole N-Hydroxy Impurity	Ropinirole N-Hydroxy Impurity ; N-Hydroxy Ropinirole Hydrochloride ; 4-[2-(Dipropylamino)ethyl]-1-hydroxy-2-indolinone monohydrochloride.	954117-22-7	C16H24N2O2	276.37	
	Ropinirole Open Ring Nitro Impurity	Ropinirole Open Ring Nitro Impurity ; 2-[2-(Dipropylamino)ethyl]-6-nitrophenyl acetic acid hydrochloride.	91374-25-3	C16H24N2O4	308.37	
	2-Nitro-6-[2-(N,N-Di-N-Propylamino) Ethyl] Phenyl Pyruvic Acid	3-{2-[2-(dipropylamino)ethyl]-6-nitrophenyl}-2-oxopropanoic acid.	97351-95-6	C17H24N2O5	336.38	
	Ropinirole Open Ring Nitro Impurity	2-[2-(Dipropylamino)ethyl]-6-nitrophenyl acetic acid hydrochloride ;	91374-25-3	C16H25ClN2O4	344.83	
	Ropinirole N-Despropyl Impurity	4-[2-(Propylamino)ethyl]-2-indolinone monohydrochloride ;	173990-76-6	C13H19ClN2O	254.76	

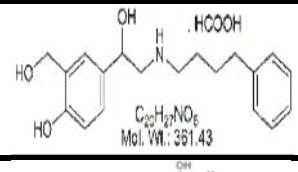
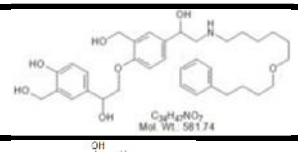
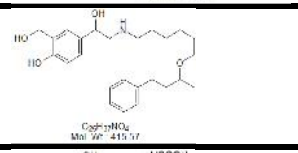
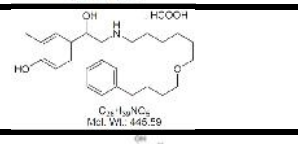
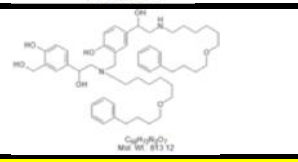
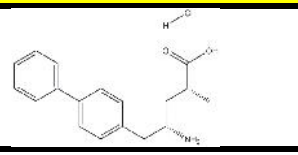
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	N,N-Dipropyl-2-Methyl-3-Nitrophenylethanamine	N,N-Dipropyl-2-Methy;N,N-Dipropyl-2-Methy1-3-nitrophenylethanaMine;N,N-Dipropyl-2-methyl-3-nitrophenylethanamine;Benzeneethanamine,2-methyl-3-nitro-N,N-dipropyl;N,N-Dipropyl-2-(2-methyl-3-nitrophenyl)ethylamine;[2-(2-Methyl-3-nitro-phenyl)-ethyl]-dipropyl	91374-23-1	C15H24N2O2	264.36	
ROPIVACAINE						
	Ropivacaine RC A	2,6-Dimethylbenzenamine Hydrochloride ; 2,6-Dimethylaniline Hydrochloride.	21436-98-6	C8H12ClN	157.64	
	Ropivacaine EP Impurity B	Ropivacaine BP Impurity B ; Ropivacaine N-Despropyl Analog ; (?)-(2S)-N-(2,6-Dimethylphenyl)piperidine-2-carboxamide ;	27262-40-4	C14H20N2O	232.32	
ROCURONIUM						
	Rocuronium Impurity B	3-Acetyl Rocuronium Bromide ; 1-[3?,17?-bis(Acetyloxy)-2?-(morpholin-4-yl)-5?-androstan-16?-yl]-1-(prop-2-enyl)pyrrolidinium bromide ;	122483-73-2	C34H55N2O5	571.81	

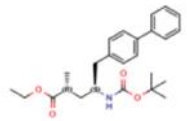
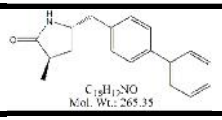
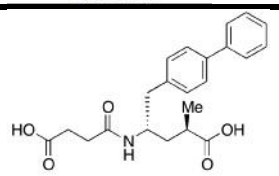
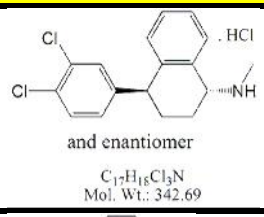
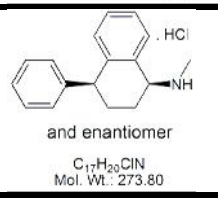
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Rocuronium Impurity C	17-Desacetyl Rocuronium Bromide ; 1-[3?,17?-Dihydroxy-2?-(morpholin-4-yl)-5?-androstan-16?-yl]-1-(prop-2-enyl)pyrrolidinium bromide ;	119302-86-2	C30H51N2O3	487.74	
	Rocuronium Impurity D	3-Acetyl-17-desacetyl Rocuronium Bromide ; 1-[3?-(Acetyloxy)-17?-hydroxy-2?-(morpholin-4-yl)-5?-androstan-16?-yl]-1-(prop-2-enyl)pyrrolidinium bromide ;	1190105-63-5	C32H53N2O4	529.77	
	Rocuronium Impurity E	2-Pyrrolidinyl Desmorpholinyl Rocuronium Bromide ; 1-[17?-(Acetyloxy)-3?-hydroxy-2?-(pyrrolidin-1-yl)-5?-androstan-16?-yl]-1-(prop-2-enyl)pyrrolidinium bromide ;	1190105-65-7	C32H53N2O3	513.77	
	Rocuronium Impurity F	2-Pyrrolidinyl-3-Acetyl Desmorpholinyl Rocuronium Bromide ; 1-[3?,17?-bis(Acetyloxy)-2?-(pyrrolidin-1-yl)-5?-androstan-16?-yl]-1-(prop-2-enyl)pyrrolidinium bromide ;	1190105-66-8	C34H55N2O4	555.81	
	Rocuronium Impurity G	(2b,3a,5a,16b,17b)-2-(4-Morpholinyl)-16-(1-pyrrolidinyl)androstane-3,17-diol.	119302-20-4	C27H46N2O3	446.66	
S	SALMETEROL					

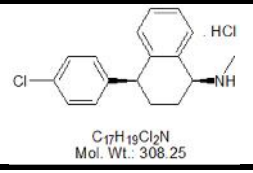
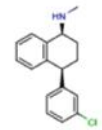
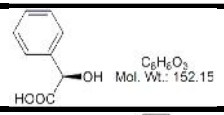
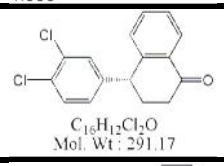
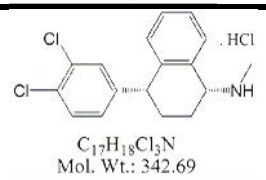
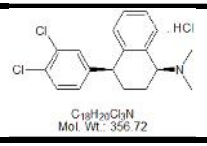
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Salmeterol EP Impurity A	1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[(4-phenylbutyl)amino] ethanol formate ;	1798014-51-3	C20H27NO5	361.43	
	Salmeterol EP Impurity D	1-[4-[2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethoxy]-3-(hydroxy methyl)phenyl]-2-[[6-(3-phenylbutoxy)hexyl]amino]ethanol ;	1391052-04-2	C34H47NO7	581.74	
	Salmeterol EP Impurity E	Salmeterol EP Impurity E ; Salmeterol USP Related Compound B ; 1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[[6-(1-methyl-3-phenylpropoxy) hexyl] amino]ethanol ;	108928-81-0	C25H37NO4	415.57	
	Salmeterol EP Impurity F	Salmeterol EP Impurity F (Formate Salt) ; Salmeterol Deoxy Impurity (USP) ; 1-(4-Hydroxy-3-methylphenyl)-2-[[6-(4-phenylbutoxy)hexyl]amino]ethanol formate ;	1391054-40-2 (base)	C26H39NO5	445.59	
	Salmeterol EP Impurity G	1-[4-hydroxy-3-[[[2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl] [6-(4-phenylbutoxy)hexyl]amino]methyl]phenyl]-2-[[6-(4-phenylbutoxy)hexyl] amino]ethanol ;	1391051-88-9	C50H72N2O7	813.12	
	SACUBITRIL					
	Sacubitril Impurity 1	2R,4S)-5-([1,1'-biphenyl]-4-yl)-4-aMino-2-Methylpentanoic acid hydrochloride;(2R,4S)-4-Amino-4-([1,1'-biphenyl]-4-ylmethyl)-2-methylbutanoic acid hydrochloride(1:1);LCA696 impurity;LCZ701	1038924-71-8	C18H22ClNO2	319.83	

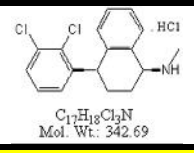
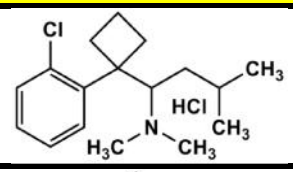
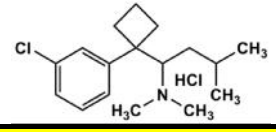
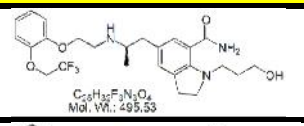
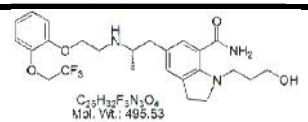
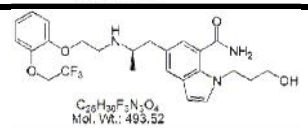
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sacubitril Impurity 2	ethyl (2R,4S)?4?{[(tert?butoxy)carbonyl]amino}?2?methyl?5?(4?phenylphenyl)pentanoate ; (2R,4S)-ethyl 5-([1,1'-biphenyl]-4-yl)-4-((tert-butoxycarbonyl)amino)-2-methylpentanoate;	149709-60-4	C25H33NO4	411.53	
	Sacubitril Impurity 3	Sacubitril (3R,5S)-Pyrrolidinone Impurity ;(3R,5S)-5-[(Biphenyl-4-yl)methyl]-3-methylpyrrolidin-2-one ;	1038924-70-7	C18H19NO	265.35	
	Sacubitril Impurity 4	Desethyl Sacubitril;[S-(R*,S*)]-?-[(3-Carboxy-1-oxopropyl)amino]-?-methyl-[1,1�-Biphenyl]-4-pentanoic Acid; (2R,4S)-4-[(3-Carboxy-1-oxopropyl)amino]-4-[(p-phenylphenyl)methyl]-2-methylbutanoic Acid; (2R,4S)-5-(Biphenyl-4-yl)-4-[(3-carboxypropionyl)amino]-2-methylpentanoic Acid; Sacubitrilat; LBQ 657	149709-44-4	C22H25NO5	383.44	
	SERTRALINE					
	Sertraline EP Impurity A	Sertraline BP Impurity A ; Sertraline USP Related Compound A ; Sertraline trans-Isomer ; trans-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl -1-naphthalen amine hydrochloride ;	79836-45-6	C17H18Cl3N	342.69	
	Sertraline EP Impurity B	cis-4-Phenyl-1,2,3,4-tetrahydro-N-methyl -1-naphthalen amine hydrochloride ;	52758-05-1	C17H20ClN	273.80	

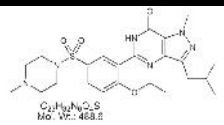
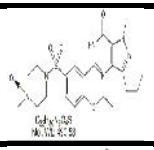
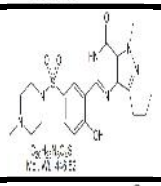
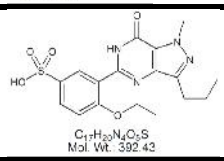
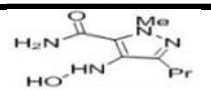
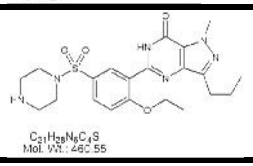
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sertraline EP Impurity C	Sertraline 3-Deschloro Impurity ;Sertraline 4-Chlorophenyl Analog ; 3-Deschloro Sertraline HCl ; cis-(1S)-N-Methyl-4-(4-chloro phenyl)-1,2,3,4-tetrahydro-1-naphthalenamine hydrochloride ;	79646-00-7	C17H19ClN	308.25	
	Sertraline Impurity D	Sertraline impurity D;4-Deschloro Sertraline;(rac,syn)-4-Deschloro-sertraline;(1S,4S)-4-(3-chlorophenyl)-N-methyl-1,2,3,4- tetrahydronaphthalen-1-amine.	871838-58-3	C17H18ClN	271.78	
	Sertraline EP Impurity E	Sertraline BP Impurity E ; (R)-(-)-Mandelic Acid ; (2R)-(-)-Hydroxybenzeneacetic Acid ; D-Mandelic Acid ;	611-71-2	C8H8O3	152.15	
	Sertraline EP Impurity F	Sertraline BP Impurity F ; Sertralone (USP) ; Sertraline Tetralone (R)-Isomer ; (R)-4-(3,4-Dichlorophenyl)-1-tetralone ;	155748-61-1	C16H12Cl2O	291.17	
	Sertraline EP Impurity G	Sertraline BP Impurity G ; Sertraline Enantiomer ; Sertraline (1R,4R)-cis-Isomer ; (1R,4R)-4-(3,4-Dichlorophenyl)-N-methyl-1,2,3,4-tetrahydronaphthalen-1-amine hydrochloride;	79617-95-1	C17H18Cl3N	342.69	
	Sertraline Dimethylamino Analog	N-Methyl Sertraline HCl ; (1S,4S)-4-(3,4-Dichlorophenyl)-N,N-dimethyl-1,2,3,4-tetrahydronaphthalen-1-amine hydrochloride ;	79836-76-3 (HCl salt) ; 107508-17-8	C18H20Cl3N	356.72	

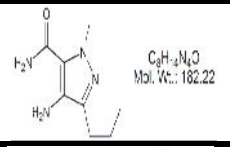
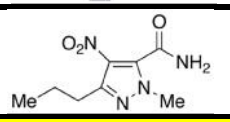
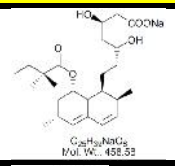
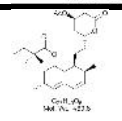
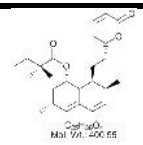
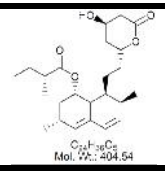
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sertraline 2,3-Dichloro Isomer	Sertraline 2,3-Dichloro Analog (HCl Salt) ; 2,3-Isosertraline HCl (USP) ; (1S,4R)-4-(2,3-Dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl naphthalen amine hydrochloride ;	1198084-29-5	C17H18Cl3N	342.69	
	SIBUTRAMINE					
	Sibutramine Impurity A	4-Deschloro-2-chloro Sibutramine Hydrochloride; N-{1-[1-(2-Chlorophenyl)cyclobutyl]-3-methylbutyl}-N,N-dimethylamine Hydrochloride; USP Sibutramine Related Compound A:	NA	C17H27Cl2N	316.31	
	Sibutramine Impurity B	4-Deschloro-3-chloro Sibutramine Hydrochloride; N-{1-[1-(4-Chlorophenyl)cyclobutyl]pentyl}-N,N-dimethylamine Hydrochloride; USP Sibutramine Related Compound B:	NA	C17H21Cl2N	316.31	
	SILODOSIN					
	Silodosin	1-(3-Hydroxypropyl)-5-[(2R)-({2-[2-[2-(2,2,2-trifluoroethoxy)phenoxy] ethyl} amino)propyl]indoline-7-carboxamide ;	60970-54-7	C25H32F3N3O4	495.53	
	Silodosin (S)-Isomer	1-(3-Hydroxypropyl)-5-[(2S)-({2-[2-[2-(2,2,2-trifluoroethoxy)phenoxy] ethyl} amino)propyl]indoline-7-carboxamide ;	160970-54-7	C25H32F3N3O4	495.53	
	Silodosin Dehydro Impurity	(R)-1-(3-Hydroxypropyl)-5-(2-(2-(2-(2,2,2-trifluoroethoxy)phenoxy)ethylamino)propyl)-1H-indole-7-carboxamide ;	175870-21-0	C25H30F3N3O4	493.52	
	SILDENAFIL					

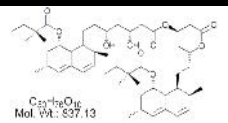
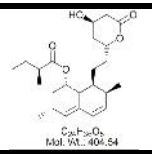
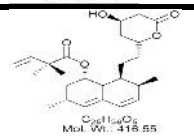
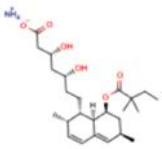
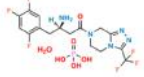
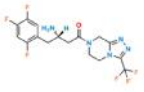
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sildenafil EP Impurity A	Sildenafil Impurity A ; Sildenafil USP RC A ; Sildenafil Isobutyl Analog ; 5-[2-Ethoxy-5-[(4-methyl-4-oxido-1-piperazinyl)sulfonyl]phenyl]-1,6-dihydro-1-methyl-3-(2-methylpropyl)-7H-pyrazolo[4,3-d]pyrimidin-7-one ;	NA	C23H32N6O4S	488.6	
	Sildenafil EP Impurity B	Sildenafil Impurity B ; Sildenafil N-Oxide ;5-[2-Ethoxy-5-[(4-methyl-4-oxido-1-piperazinyl)sulfonyl]phenyl]-1,6-dihydro-1-methyl-3-propyl-7H-pyrazolo[4,3-d]pyrimidin-7-one ;	1094598-75-0	C22H30N6O5S	490.58	
	Sildenafil EP Impurity C	Sildenafil Impurity C ; O-Desethyl Sildenafil ; 5-[2-Hydroxy-5-(4-methylpiperazinylsulphonyl)phenyl]1-methyl-3-n-propyl-1,6-dihydro-7H-pyrazolo[4,3-d]pyramidin-7-one ;	139755-91-2	C20H26N6O4S	446.52	
	Sildenafil EP Impurity D	Sildenafil Impurity D ; Desmethylpiperazinyl Sildenafil Sulfonic Acid ; 3-(4,7-Dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxybenzenesulfonic acid ;	1357931-55-5	C17H20N4O5S	392.43	
	Sildenafil Impurity F	4-(hydroxyamino)-1-methyl-3-propyl-1H-pyrazole-5-carboxamide.	NA	C8H14N4O2	198.22	
	Sildenafil N-Desmethyl Metabolite	5-[2-Ethoxy-5-(piperazin-1-yl)sulfonylphenyl]-1-methyl-3-propyl-4H-pyrazolo[5,4-e]pyrimidin-7-one ;	139755-82-1	C21H28N6O4S	460.55	
	Sildenafil Acid Impurity	1-methyl-4-nitro-3-propyl-1H-pyrazole-5-carboxylic acid.	139756-00-6	C8H11N3O4	213.19	

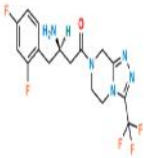
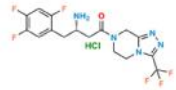
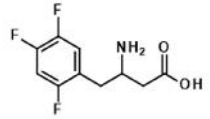
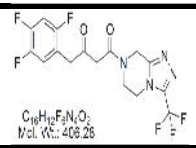
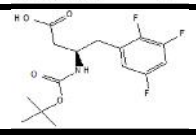
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sildenafil Amino Amide Impurity	4-Amino-1-methyl-3-propylpyrazole-5-carboxamide ;	139756-02-8	C8H14N4O	182.22	
	1-Methyl-4-Nitro-3-Propylpyrazole-5-Carboxamide	1-Methyl-4-nitro-3-propyl-1H-pyrazole-5-carboxamide; Sildenafil Amide Impurity.	139756-01-7	C8H12N4O3	212.21	
	SIMVASTATIN					
	Simvastatin EP Impurity A	Simvastatin EP Impurity A ; Simvastatin USP RC A ; Simvastatin Sodium ; Simvastatin Acid Sodium Salt ; Simvastatin Hydroxy Acid Sodium Salt ; Tenivastatin Sodium Salt ;	101314-97-0	C25H39NaO6	458.56	
	Simvastatin EP Impurity B	Simvastatin USP RC B ; Simvastatin Acetate Ester ; (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-(acetyloxy)-6-oxotetrahydro-2H-pyran-2-yl]ethyl]-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl 2,2-dimethylbutanoate ;	145576-25-6	C27H40O6	460.6	
	Simvastatin EP Impurity C	Simvastatin USP RC C ; 2,3-Anhydro Simvastatin ; Dehydro Simvastatin ; Simvastatin Dehydration Product ; (1S,3R,7S,8S,8aR)-3,7-Dimethyl-8-[2-[(2R)-6-oxo-3,6-dihydro-2H-pyran-2-yl]ethyl]-1,2,3,7,8,8a-hexahydronaphthalen-1-yl 2,2-dimethylbutanoate ;	210980-68-0	C25H36O4	400.55	
	Simvastatin EP Impurity F	Simvastatin USP RC F ; epi-Lovastatin ; Lovastatin epimer ; (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-Hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl]-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl (2R)-2-methylbutanoate ;	79952-44-6	C24H36O5	404.54	

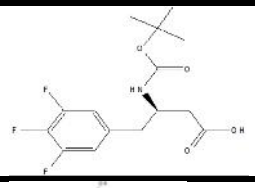
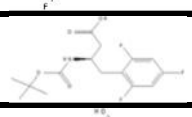
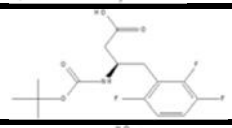
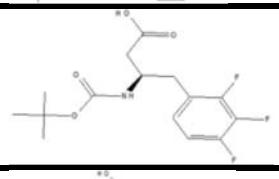
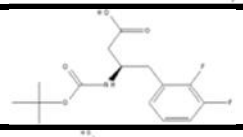
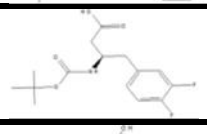
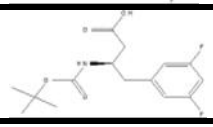
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Simvastatin EP Impurity D	Simvastatin EP Impurity D ; Simvastatin USP RC D ; Simvastatin Dimer ; (3R,5R)-((2R,4R)-2-(2-((1S,2S,6R,8S)-8-(2,2-Dimethylbutanoyloxy)-2,6-dimethyl-1,2,6,7,8,8a-hexahydronaphthalen-1-yl)ethyl)-6-oxo-tetrahydro-2H-pyran-4-yl) 7-((2S,6R,8S)-8-(2,2-dimethylbutanoyloxy)-2,6-dimethyl-1,2,6,7,8,8a-hexahydronaphthalen-1-yl)-3,5-dihydroxyheptanoate ;	476305-24-5	C50H76O10	837.13	
	Simvastatin EP Impurity E	Simvastatin USP RC E ; Lovastatin ; Desmethyl Simvastatin ; (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl]-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl-(2S)-2-methylbutanoate ;	75330-75-5	C24H36O5	404.54	
	Simvastatin EP Impurity G	Simvastatin USP RC G ; Simvastatin-3-en ; Methylene simvastatin ; 2"-Desethyl-2"-vinyl simvastatin ; (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-Hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl]-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl 2,2-dimethylbut-3-enoate ;	1449248-72-9	C25H36O5	416.55	
	Simvastatin Hydroxy Acid Ammonium Salt	(?R,?R,1S,2S,6R,8S,8aR)-8-(2,2-Dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-?,?-dihydroxy-2,6-dimethyl-1-naphthaleneheptt; Simvastatin Ammonium Salt;	139893-43-9	C25H43NO6	453.61	
	SITAGLIPTIN					
	Sitagliptin	(R)-3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1-one.	486460-32-6	C16H15F6N5O. H3O4P . H2O	407.32. 97.99 .18.2	
	Sitagliptin EP Impurity A	(S)-SitagliptinIsomer Phosphate ; (S)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl]-1-(2,4,5-trifluorophenyl)butan-2-amine phosphate ;	823817-58-9	C16H15F6N5O	407.32	

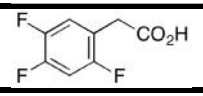
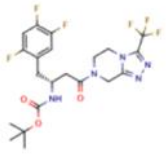
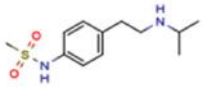
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sitagliptin EP Impurity B	Sitagliptin 4-Desfluoro Impurity ; (R)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl]-1-(2,5-difluorophenyl)butan-2-amine phosphate ;	1345822-87-8	C16H16F5N5O	389.33	
	Sitagliptin EP Impurity C	Sitagliptin 5-Desfluoro Impurity ; (R)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl]-1-(2,4-difluorophenyl)butan-2-amine ;	1345822-86-7	C16H16F5N5O	389.33	
	Sitagliptin Impurity E HCl (Sitagliptin S-Isomer HCl)	(S)-3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1-one hydrochloride;	NA	C16H15F6N5O. HCl	407.32 36.46	
	Sitagliptin Acid Impurity	3-Amino-4-(2,4,5-trifluorophenyl)butanoic acid;	936630-57-8;1204818-19-8	C10H10F3NO2.HCl	233.19	
	Sitagliptin Ketoamide Impurity	Sitagliptin Ketoamide Impurity ; (2Z)-4-Oxo-4-[3-(trifluoroMethyl)-5,6-dihydro-[1,2,4] triazolo[4,3-a]pyrazine-7(8H)-yl]-1-(2,4,5-trifluorophenyl)butan-2-one ;	764667-65-4	C16H12F6N4O2	406.28	
	Sitagliptin Impurity 1	(3R)-3-(N-(tert-butoxycarbonyl)amino)-4-(2,3,5-trifluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sitagliptin Impurity 2	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(3,4,5-trifluorophenyl)butanoic acid	NA	C15H18F3NO4	333.3	
	Sitagliptin Impurity 3	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(2,4,6-trifluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3	
	Sitagliptin Impurity 4	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(2,3,6-trifluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3	
	Sitagliptin Impurity 5	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(2,3,4-trifluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3	
	Sitagliptin Impurity 6	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(2,3, difluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3	
	Sitagliptin Impurity 7	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(3,4, difluorophenyl)butanoic acid;	NA	C15H19F2NO4	315.31	
	Sitagliptin Impurity 8	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(3,5, difluorophenyl)butanoic acid;	NA	C15H19F2NO4	315.31	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sitagliptin Impurity 9	(1Z)-1-(5,5-dimethyl-1, 3-dioxan-2-yl)-3-(2,4,5-trifluorophenyl)prop-1-en-2-ol;	NA	C15H17F3O3	302.29	
	Sitagliptin Impurity 10	2,4,5-Trifluorobenzeneacetic Acid;(2,4,5-Trifluorophenyl)acetic Acid	209995-38-0	C8H5F3O2	190.12	
	N-Boc-Sitagliptin	N-[(1R)-3-[5,6-Dihydro-3-(trifluoromethyl)-1,2,4-triazolo[4,3-a]pyrazin-7(8H)-yl]-3-oxo-1-[(2,4,5-trifluorophenyl)methyl]propyl]carbamic Acid 1,1-Dimethylethyl Ester; [(1R)-3-[5,6-Dihydro-3-(trifluoromethyl)-1,2,4-triazolo[4,3-a]pyrazin-7(8H)-yl]-3-oxo-1-[(2,4,5-trifluorophenyl)methyl]propyl]carbamic Acid 1,1-Dimethylethyl Ester	486460-23-5	C21H23F6N5O3	507.43	
	6-Aminocaproic Acid Dimer	Bis-?-aminocaproic Acid; N-(6-Aminocaproyl)-6-aminocaproic Acid; 6-Aminohexanoic Acid Dimer; 6-[(6-Amino-1-oxohexyl)amino]hexanoic Acid;	2014-58-6	C??H??N?O?	244.33	
	SOTALOL					
	Sotalol Impurity A	Methanesulfonamide, N-?[4-?[2-?[(1-?methylethyl)?amino]?ethyl]?phenyl]?-; N-[4-[2-[(1-Methylethyl)amino]ethyl]phenyl]methanesulfonamide; Deoxysotalol	16974-42-8	C12H20N2O2S	256.36	

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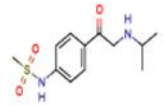
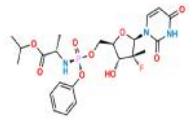
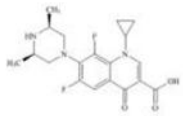
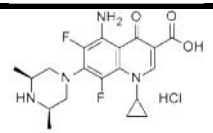
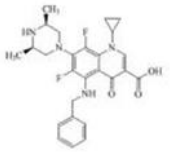
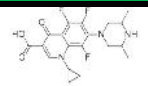
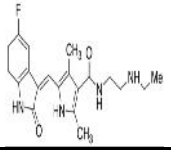
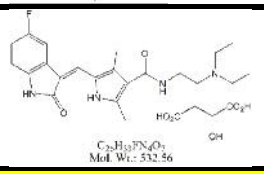
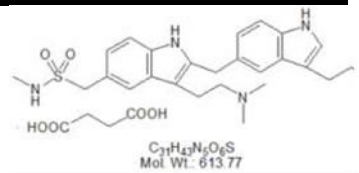
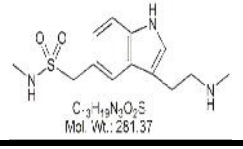
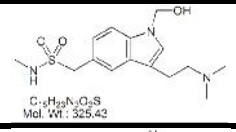
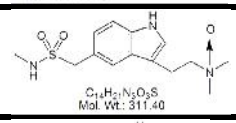
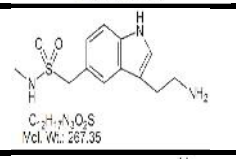
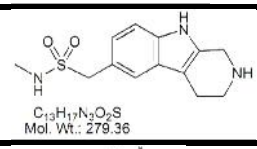
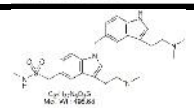
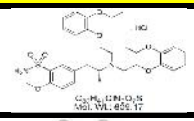
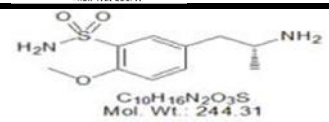
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sotalol Impurity B	N-{4-{[(1-Methylethyl)amino]acetyl}phenyl}methanesulfonamide	60735-85-5	C12H18N2O3S	270.35	
	SOFOSBUVIR					
	RP-Isomer Of Sofosbuvir	isopropyl ((R)-(((2R,3R,4R,5R)-5-(2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-4-fluoro-3-hydroxy-4-methyltetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate.	1064684-44-1	C22H29FN3O9P	529.46	
	SPARFLOXACIN					
	Sparfloxacin Impurity 3	2,6-Dimethylpiperazine;1-Cyclopropyl-6,7,8-trifluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid	103460-90-8	C19H21F2N3O3	377.39	
	Sparfloxacin Impurity 5	PD-131501;SPARFLOXACIN;SparfloxacinHCl;SparfloxacinSpara;Sparfloxacinhydrochloride;5-AMINO-1-CYCLOHEXYL-7-(CIS-3,5-DIMETHYLPIPERAZINO)-6,8-DIFLUORO-1,4-DIHYDRO-4-OXO-3-QUINOLINECARBOXYLIC ACID;5-Amino-1-cyclopropyl-7-(3,5-dimethyl-1-piperazinyl)-6,8-difluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid;3-Quinolinecarboxylic acid, 5-amino-1-cyclopro	111542-93-9	C19H22F2N4O3	392.4	
	Sparfloxacin Impurity 6	NA	132664-15-4	C26H28F2N4O3	482.53	

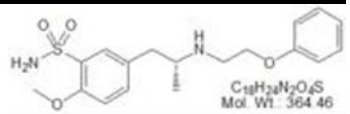
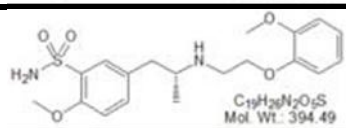
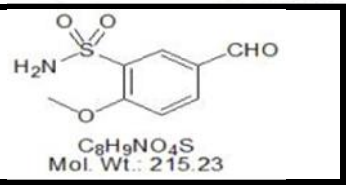
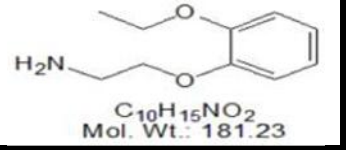
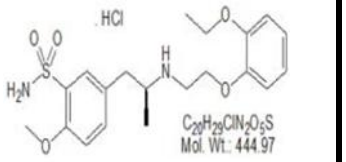
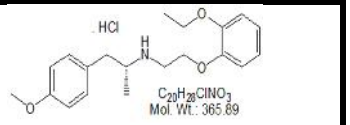
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	ORBIFLOXACIN	1-CYCLOPROPYL-7-(3,5-DIMETHYL-1-PIPERAZINYL)-5,6,8-TRIFLUORO-1,4-DIHYDRO-4-OXO-3-QUINOLINECARBOXYLIC ACID;1-CYCLOPROPYL-7-(3,5-DIMETHYL-PIPERAZIN-1-YL)-5,6,8-TRIFLUORO-4-OXO-1,4-DIHYDRO-QUINOLINE-3-CARBOXYLIC ACID	119354-10-8	C19H20F3N3O3	NA	
	SUNITINIB					
	N-Desethyl Sunitinib	N-[2-(Ethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide;	356068-97-8	C20H23FN4O2	370.42	
	Sunitinib Malate	N-[2-(Diethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide malate ;	341031-54-7	C26H33FN4O7	532.56	
	SUMATRIPTAN					
	Sumatriptan EP Impurity A	Sumatriptan BP Impurity A ; Sumatriptan USP Related Compound A ; [3-[2-(Dimethylamino)ethyl]-2-[[3-[2-(dimethylamino)ethyl]-1H-indol-5-yl] methyl]-1H-indol-5-yl]-N-methylmethanesulphonamide succinate ;	545338-89-4	C31H43N5O6S	613.77	
	Sumatriptan EP Impurity B	N-Desmethyl Sumatriptan ; N-Methyl[3-[2-(methylamino)ethyl]-1H-indol-5-yl] methane sulphon amide ;	88919-51-1	C13H19N3O2S	281.37	

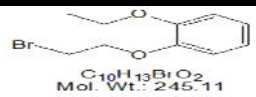
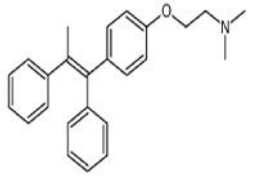
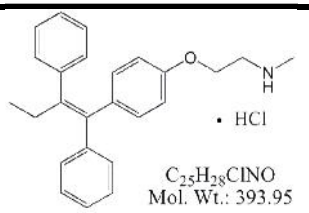
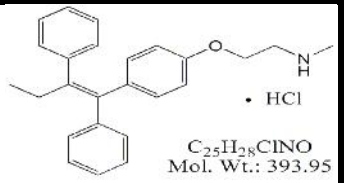
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Sumatriptan EP Impurity C	Sumatriptan BP Impurity C ; Sumatriptan USP Related Compound C ; [3-[2-(Dimethylamino)ethyl]-1-(hydroxymethyl)-1H-indol-5-yl]- N-methylmethanesulphonamide ;	NA	C15H23N3O3S	325.43	
	Sumatriptan EP Impurity D	Sumatriptan N-Oxide ; N,N-Dimethyl-2-[5-[(methylsulphamoyl)methyl]-1H-indol-3-yl] ethanamine N-oxide ;	212069-94-8	C14H21N3O3S	311.40	
	Sumatriptan EP Impurity E	: [3-(2-Aminoethyl)-1H-indol-5-yl]-N-methylmethanesulphonamide ; N,N-DiDesmethyl Sumatriptan ;	88919-22-6	C12H17N3O2S	267.35	
	Sumatriptan EP Impurity F	Sumatriptan BP Impurity F ; N-Methyl(2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-6-yl) methane sulphonamide ;	NA	C13H17N3O2S	279.36	
	Sumatriptan EP Impurity H	Sumatriptan Dimer Impurity ; [3-[2-(Dimethylamino)ethyl]-1-[[3-[2-(dimethylamino)ethyl]-1H-indol-5-yl]methyl]-1H-indol-5-yl]-N-methylmethanesulphonamide ;	1391052-59-7	C27H37N5O2S	495.68	
T	**TEMSULOSIN**					
	Tamsulosin EP Impurity A	5-[(2R)-2-[bis[2-(2-Ethoxyphenoxy)ethyl]amino]propyl]-2-methoxy benzene sulfonamide HCl ;	918867-88-6	C30H41ClN2O7S (HCl salt) ; C30H40N2O7S	609.17(HCl salt)	
	Tamsulosin EP Impurity B	5-[(2R)-2-Aminopropyl]-2-methoxybenzenesulfonamide HCl ;	112101-75-4	C10H16N2O3S (Base)	244.31	

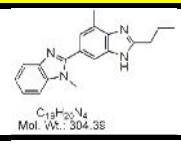
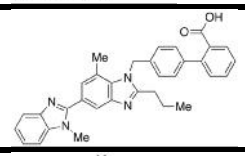
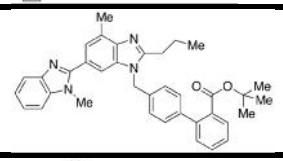
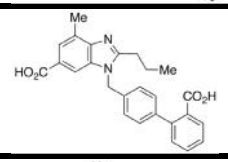
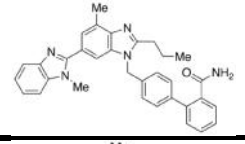
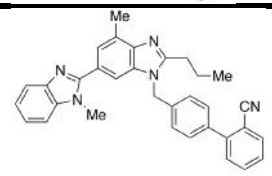
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Tamsulosin EP Impurity C	2-Methoxy-5-[(2R)-2-[(2-phenoxyethyl) amino] propyl] benzenesulfonamide ;	NA	C18H24N2O4S	364.46	
	Tamsulosin EP Impurity D	2-Methoxy-5-[(2R)-2-[[2-(2-methoxyphenoxy)ethyl] amino] propyl] benzene sulfonamide ;	80223-96-7	C19H26N2O5S	394.49	
	Tamsulosin EP Impurity E	5-Formyl-2-methoxybenzenesulfonamide ;	105764-07-6	C8H9NO4S	215.23	
	Tamsulosin EP Impurity F	2-(2-Ethoxyphenoxy)ethanamine ;	6781-17-5	C10H15NO2	181.23	
	Tamsulosin EP Impurity G	5-[(2S)-2-[[2-(2-Ethoxyphenoxy)ethyl]amino]propyl]-2-methoxy benzene sulfonamide HCl ;	106463-19-8	C20H28N2O5S . HCl	408.51 (Base)	
	Tamsulosin EP Impurity H	(2R)-N-[2-(2-Ethoxyphenoxy)ethyl]-1-(4-methoxyphenyl)propan-2-amine HCl ; (R)-Des(aminosulfonyl) Tamsulosin HCl ;	NA	C20H27NO3	329.43	

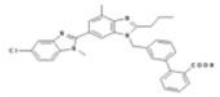
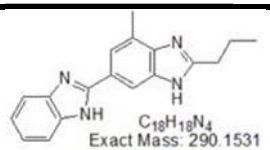
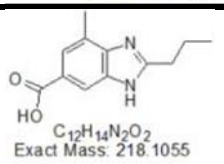
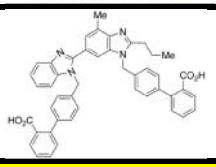
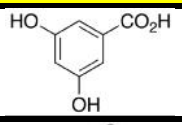
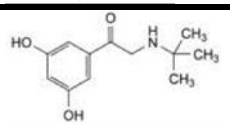
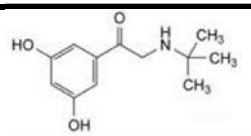
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Tamsulosin EP Impurity I	1-(2-Bromoethoxy)-2-ethoxybenzene ;	3259-03-8	C10H13BrO2	245.11	
TOMOXIFEN						
	Tamoxifen Impurity D	2-[4-[(E)-1,2-diphenylprop-1-enyl]phenoxy]-N,N-dimethylethanamine	31750-45-5	C25H27NO	357.48800	
	Tamoxifen Impurity F	2-[4-[(Z)-1,2-Diphenylbut-1-enyl]phenoxy]-N-methylethanamine hydrochloride ;	15917-65-4	C25H28ClNO	393.95	
	Tamoxifen N-Oxide	(2-{4-[(1Z)-1,2-diphenylbut-1-en-1-yl]phenoxy}ethyl)dimethylamine oxide.	**75504-34-6**	C26H29NO2	393.95	

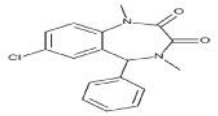
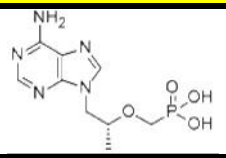
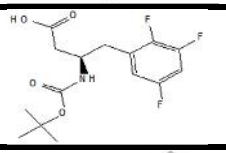
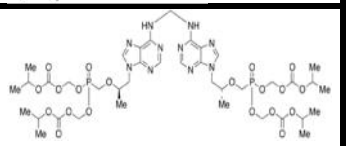
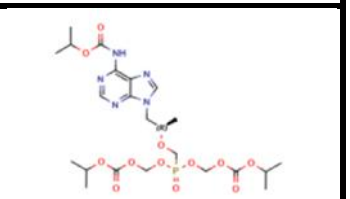
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
TELMISARTAN						
	Telmisartan EP Impurity A	4-Methyl-6-(1-methyl-1H-1,3-benzodiazol-2-yl)-2-propyl-1H-1,3-benzodiazole	152628-02-9	C19H20N4	304.39	
	Telmisartan EP Impurity B	Telmisartan Isomer ; 4'-[(1,7'-Dimethyl-2'-propyl-1H,1'H-2,5'-bibenzo[d]imidazol-1'-yl)methyl]biphenyl-2-carboxylic acid	1026353-20-7	C33H30N4O2		
	Telmisartan EP Impurity C	2-(4-{[4-Methyl-6-(1-methyl-1H-1,3-benzodiazol-2-yl)-2-propyl-1H-1,3-benzodiazol-1-yl] methyl}phenyl)benzoic acid t-butyl ester	144702-26-1	C37H38N4O2	570.72	
	Telmisartan EP Impurity D	Telmisartan Diacid ; 6-Des(1-methyl-2-benzimidazolyl)-6-carboxy Telmisartan	884330-12-5	C26H24N2O4	428.17	
	Telmisartan EP Impurity F	Telmisartan Amide ; 2-(4-{[4-Methyl-6-(1-methyl-1H-1,3-benzodiazol-2-yl)-2-propyl-1H-1,3-benzodiazol-1-yl] methyl}phenyl)benzamide	915124-86-6	C33H31N5O	513.63	
	Telmisartan EP Impurity G	Telmisartan Cyano Analog ; 2-Descarboxy-2-Cyano Telmisartan ; 4'-[(1,4'-Dimethyl-2'-propyl[2,6'-bi-1H-benzimidazol]-1'-yl)methyl]-[1,1'-biphenyl]-2-carbonitrile	144702-27-2	C33H29N5	495.24	

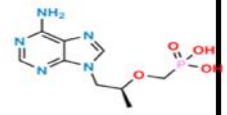
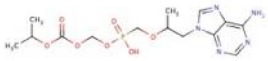
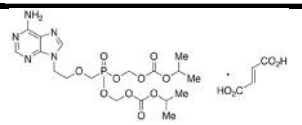
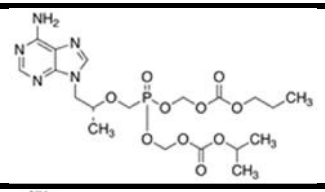
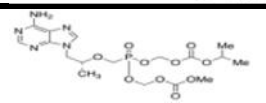
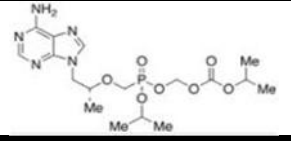
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Telmisartan Chloro Impurity	Telmisartan Chloro impurity	NA	C33H29ClN4O2	548.20	
	Telmisartan DiBenzimidazole N-Desmethyl Impurity	7-Methyl-2-propyl-2,5-bi-1H-benzimidazole ;	884330-09-0	C18H18N4	290.1531	
	Telmisartan Benzimidazole Acid	4-Methyl-2-propyl-6-benzimidazolecarboxylic acid ;	152628-03-0	C12H14N2O2	218.1055	
	Telmisartan Dimer Impurity	4,4'-[(4-Methyl-2-propyl[2,6-bi-1H-benzimidazole]-1,1-diyl)bis(methylene)]bis[1,1-biphenyl]-2-carboxylic Acid;	884330-14-7	C46H38N4O4	710.82	
TERBUTALINE						
	Terbutaline Impurity A	?-Resorcylic Acid; 3,5-dihydroxybenzoic acid (alpha-resorcylic acid).	99-10-5	C7H6O4	154.12	
	Terbutaline Impurity B	(4RS)-2-(1,1-dimethylethyl)-1,2,3,4- tetrahydroisoquinoline-4,6,8-triol.	NA	C13H21NO7S	335.37	
	Terbutaline Impurity D	2-[benzyl-(1,1-dimethylethyl)amino]-1-(3,5-dihydroxyphenyl)ethanone.	NA	C19H23NO3	313.40	

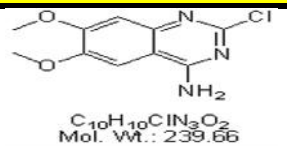
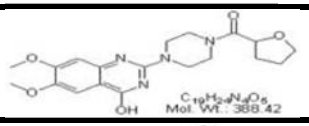
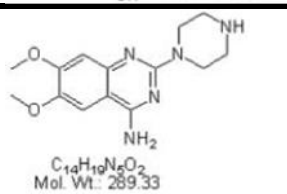
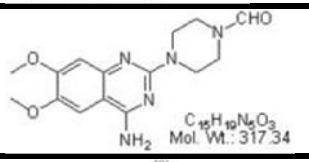
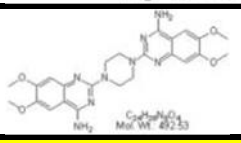
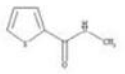
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Temazepam Impurity G	(5RS)-7-chloro-1,4-dimethyl-5-phenyl-4,5-dihydro-1H-1,4-benzodiazepine-2,3-dione.	93329-92-1	C17H15ClN2O2	314.76	
TENOFOVIR						
	Tenofovir	NA	107021-12-5	C9H14N5O4P	287.21	
	Tenofovir Impurity K	NA	1246812-40-7	C21H32N5O11P	561.48	
	Tenofovir Disoproxil Dimer	5-[[(1R)-2-[6-[[[[9-[(2R)-2,11-Dimethyl-5-[[[(1-methylethoxy)carbonyl]oxy]methoxy]-5-oxido-9-oxo-3,6,8,10-tetraoxa-5-phosphadodec-1-yl]-9H-purin-6-yl]amino]methyl]amino]-9H-purin-9-yl]-1-methylethoxy]methyl]-2,4,6,8-tetraoxa-5-phosphanonanedioic Acid 1,9-Bis(1-methylethyl) Ester 5-Oxide;	1093279-76-5	C39H60N10O20P2	1050.9	
	Tenofovir Disoproxil Carbamate	5-[[(1R)-1-Methyl-2-[6-[(isopropoxycarbonyl)amino]-9H-purin-9-yl]ethoxy]methyl]-2,4,6,8-tetraoxa-5-phosphanonanedioic Acid Bis(1-methylethyl) Ester 5-Oxide ; O, O-Bis (isopropoxycarbonyloxymethyl){(R)-1-[(6-isopropoxycarbonyl amino)-9H-purin-9yl] propan-2-yloxy]}methylphosphonate ; Tenofovir disoproxil carbamate;	1244022-54-5	C23H36N5O12P	605.53	

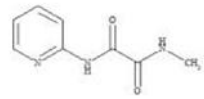
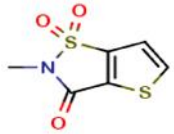
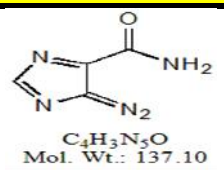
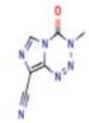
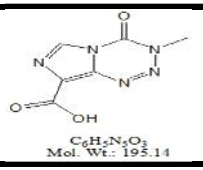
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Tenofovir (S)-Isomer	Tenofovir (S)-Isomer ; (S)-9-(2-Phosphonomethoxypropyl)adenine ;	147127-19-3	C9H14N5O4P	287.21	
	Tenofovir Mono-POC PMPA	(8R)-9-(6-Amino-9H-purin-9-yl)-5-hydroxy-8-methyl-2,4,7-trioxa-5-phosphanonanoic Acid 1-Methylethyl Ester 5-Oxide; Tenofovir Monoisoproxil;	211364-69-1	C14H22N5O7P	403.33	
	Desmethyl Tenofovir Disoproxil Fumarate	5-[[2-(6-Amino-9H-purin-9-yl)ethoxy]methyl]-2,4,6,8-Tetraoxa-5-phosphanonanedioic Acid Bis(1-methylethyl) Ester 5-Oxide (2E)-2-Butenedioate;	NA	C22H32N5O14P	621.49	
	Tenofovir N-POC-POC PMPA	5-[[(1R)-2-(6-Amino-9H-purin-9-yl)-1-methylethoxy]methyl]-2,4,6,8-tetraoxa-5-phosphanonanedioic Acid (1-methylethyl,propyl) Ester 5-Oxide	NA	C19H30N5O10P	519.44	
	Tenofovir MOC-POC PMPA	5-[[(1R)-2-(6-Amino-9H-purin-9-yl)-1-methylethoxy]methyl]-2,4,6,8-tetraoxa-5-phosphanonanedioic Acid (1-Methylethyl,methyl) Ester 5-Oxide	NA	C17H26N5O10P	606.45	
	Tenofovir IPR-POC PMPA	Tenofovir Disoproxil Related CoMpound G;Mono-POC Isopropyl Tenofovir (Mixture of DiastereoMers);(8R)-9-(6-Amino-9H-purin-9-yl)-8-methyl-5-(1-methylethoxy)-2,4,7-trioxa-5-phosphanonanoic acid 1-methylethyl ester 5-oxide.	NA	C17H28N5O7P	445.40	

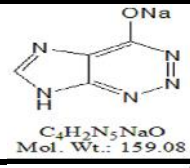
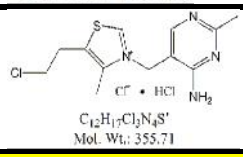
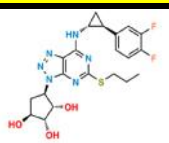
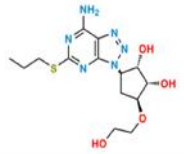
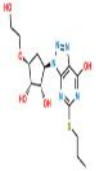
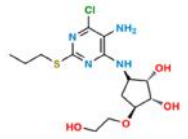
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	TERAZOSIN					
	Terazosin EP Impurity A	4-Amino-2-chloro-6,7-dimethoxyquinazoline ;	23680-84-4	C10H10ClN3O2	239.66	
	Terazosin EP Impurity B	Terazosin USP Related Compound B ; Terazosin 4-Hydroxy Analog ; 1-(4-Hydroxy-6,7-dimethoxyquinazolin-2-yl)-4-[[(2RS)-tetrahydrofuran-2-yl]carbonyl]piperazine ;	NA	C19H24N4O5	388.42	
	Terazosin EP Impurity C	Terazosin USP Related Compound A ; 4-Amino-6,7-dimethoxy-2-(1-piperazinyl)quinazoline ;	60547-97-9	C14H19N5O2	289.33	
	Terazosin EP Impurity D	4-Amino-6,7-dimethoxy-2-(4-formyl-1-piperazinyl)quinazoline ;	NA	C15H19O3	317.34	
	Terazosin EP Impurity E	Terazosin USP Related Compound C ; Prazosin EP Impurity E ; 2,2'-(1,4-Piperazinediyl)bis[6,7-dimethoxy-4-quinazolinamine] ;	102839-00-9 (Base) ;104965-50-6 (HC	C24H28N8O4	492.53	
	TENOXICAM					
	Tenoxicam EP Impurity C	(N-Methylthiophene-2-carboxamide)	39880-77-8	C6H7NOS	141.19	

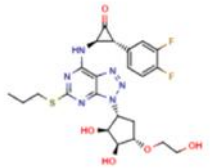
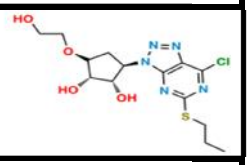
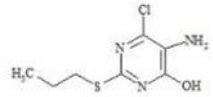
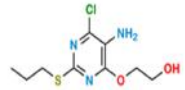
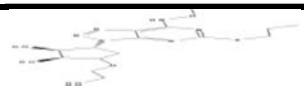
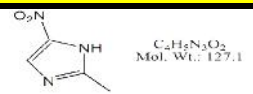
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Tenoxicam EP Impurity D	(N-Methyl-N'-(2-pyridyl)oxamide)	52781-01-8	C8H9N3O2	179.18	
	Tenoxicam Impurity E	2-Methylthieno[2,3-d]isothiazol-3(2H)-one-1,1-dioxide.	94040-09-02	C6H5NO3S2	203.24	
	TEMOZOLOMIDE					
	Temozolomide USP RC A	4-Diazo-4H-imidazole-5-carboxamide ;	7008-85-7	C4H3N5O	137.10	
	Temozolomide Cyano Impurity	Temozolomide Cyano Impurity;3-methyl-4-oxo-3,4-dihydroimidazo[5,1-d][1,2,3,5]tetrazine-imidazo[4,3-d][1,2,3,5]tetrazine-8carbonitrile ; 287964-59-4 ; Cyanotemozolomide.	114601-31-9	C6H4N6O	176.13	
	Temozolomide Acid	3,4-Dihydro-3-methyl-4-oxo-imidazo[5,1-d][1,2,3,5]tetrazine-8-carboxylic acid ;	113942-30-6	C6H5N5O3	195.14	

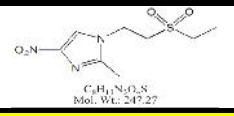
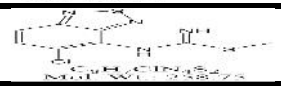
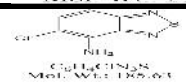
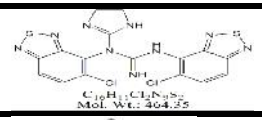
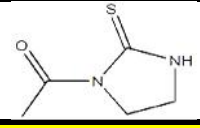
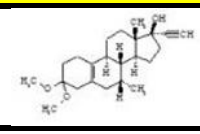
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Temozolomide 2-Azahypoxanthine Impurity	3,7-Dihydro-4H-imidazo [4,5-d] [1,2,3] triazin-4-one sodium salt ; 4a,5-Dihydro-4H-imidazo[4,5-d][1,2,3]triazin-4-one sodium salt ;	4656-86-4 (base) ; 1797817-35-6 (so	C4H2N5NaO	159.08	
	Thiamine Impurity C	3-[(4-Amino-2-methylpyrimidin-5-yl)methyl]-5-(2-chloroethyl)-4-methylthiazolium	7275-24-3	C12H17Cl3N4S	355.71	
	TICAGRELOR					
	Ticagrelor Impurity G (Ticagrelor Metabolite)	(1S,2R,3S,4R)-4-(7-(((1R,2S)-2-(3,4-difluorophenyl)cyclopropyl)amino)-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)cyclopentane-1,2,3-triol;	220347-05-7	C21H24F2N6O3S	478.52	
	Ticagrelor Impurity 1	(1S,2S,3R,5S)-3-(7-amino-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol;	NA	C14H22N6O4S	370.43	
	Ticagrelor Impurity 2	(1S,2S,3R,5R)-3-(7-hydroxy-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol;	NA	C14H21N5O5S	371.42	
	Ticagrelor Impurity 3	(1S,2S,3S,5S)-3-((5-amino-6-chloro-2-(propylthio)pyrimidin-4-yl)amino)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol;	NA	C14H23ClN4O4S	378.88	

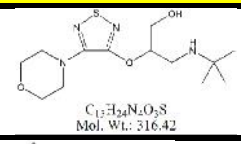
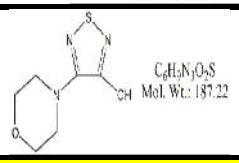
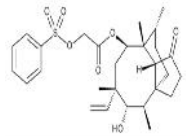
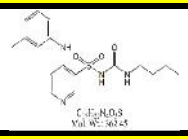
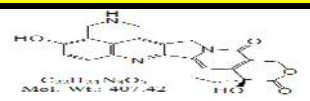
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Ticagrelor Impurity 4	(2R,3R)-2-(3,4-difluorophenyl)-3-((3-((1R,2S,3S,4S)-2,3-dihydroxy-4-(2-hydroxyethoxy)cyclopentyl)-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-7-yl)amino)cyclopropanone.	1644461-92-6	C23H26F2N6O5S	536.55	
	Ticagrelor Impurity 5	(1S,2S,3R,5R)-3-(7-chloro-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol;	NA	C14H20ClN5O4S	389.86	
	Ticagrelor Impurity 6	5-amino-6-chloro-2-(propylthio)pyrimidin-4-ol;	NA	C7H10ClN3OS	219.69	
	Ticagrelor Impurity 7	2-((5-amino-6-chloro-2-(propylthio)pyrimidin-4-yl)oxy)ethan-1-ol;	NA	C9H14ClN3O2S	263.75	
	Ticagrelor Impurity 8	(1S,2S,5R)-3-(2-hydroxyethoxy)-5-(7-(methoxyamino)-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)cyclopentane-1,2-diol;	NA	C15H24N6O5S	400.45	
	TINIDAZOLE					
	Tinidazole EP Impurity A	Tinidazole USP RC A ; 2-Methyl-5-nitro-1H-imidazole ;	696-23-1	C4H5N3O2	127.1	

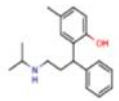
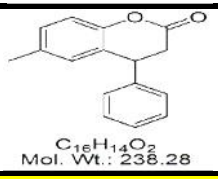
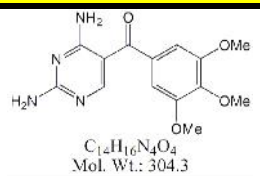
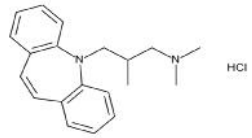
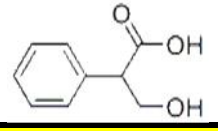
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Tinidazole EP Impurity B	Tinidazole USP RC B ; 4-Nitro-5-Desnitro Tinidazole ; 1-[2-(Ethylsulfonyl)ethyl]-2-methyl-4-nitro-1H-imidazole ;	25459-12-5	C8H13N3O4S	247.27	
	TIZANIDINE					
	Tizanidine EP Impurity A	2,1,3-Benzothiadiazol-4-amine, N-(4,5-dihydro-1H-imidazol-2-yl)-	51322-69-1	C9H9N5S	219.27	
	Tizanidine EP Impurity B	N-(5-Chloro-2,1,3-benzothiadiazol-4-yl)thiourea ;	51323-05-8	C7H5ClN4S2	244.72	
	Tizanidine EP Impurity D	Methyl N-(5-chloro-2,1,3-benzothiadiazol-4-yl)carbamimidothioate ;	560120-68-5	C8H7ClN4S2	258.75	
	Tizanidine EP Impurity E	Tizanidine USP RC A ; 5-Chloro-2,1,3-benzothiadiazol-4-amine ;	30536-19-7	C6H4ClN3S	185.63	
	Tizanidine EP Impurity F	1,3-Bis(5-chloro-2,1,3-benzothiadiazol-4-yl)-1-(4,5-dihydro-1H-imidazol-2-yl)guanidine ;	1147548-85-3	C16H11Cl2N9S2	464.35	
	Tizanidine RC-C	1-AcetyliMidazolidinethione;1-Acetyl-2-imidazolidinethione	5391-52-6	C5H8N2OS	144.19482	
	TIBOLONE					
	Tibolone Impurity E	Tibolone EP Impurity E	105186-33-2	C23H34O3	358.53	

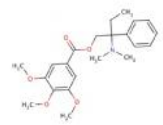
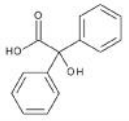
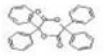
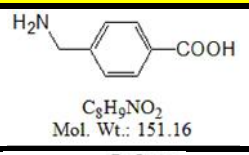
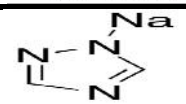
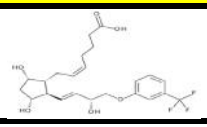
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	TIMOLOL					
	Timolol Impurity B	(2RS)-3-[(1,1-Dimethylethyl)amino]-2-[[4-(morpholin-4-yl)-1,2,5-thiadiazol-3-yl]oxy]propan-1-ol ;	59697-06-2	C13H24N4O3S	316.42	
	Timolol EP Impurity D	4-(Morpholin-4-yl)-1,2,5-thiadiazol-3-ol ;	30165-97-0	C6H9N3O2S	187.22	
	TIAMULIN					
	Tiamulin Hydrogen Fumarate	3aS,4R,5S,6S,8R,9R,9aR,10R)-6-Ethenyl-5-hydroxy-4,6,9,10-tetramethyl-1-oxodecahydro-3a,9-propano-3aH-cyclopentacycloocten-8-yl [(Phenylsulphonyl)oxy]acetate	848129-54-4	C28H38O7S	518.6621	
	TORSEMIDE					
	Torsemide USP RC B	N-1-Butyl 1-Demethylethyl Torsemide ; N-[(Butylamino)carbonyl]-4-[(3-methylphenyl)amino]-3-pyridinesulfonamide ;	160972-33-8	C17H22N4O3S	362.45	
	TOPOTECAN					
	Topotecan N-Desmethyl Impurity	9-Methylaminomethyl-10-hydroxycamptothecin ; (S)-10-[(Methylamino) methyl]-4-ethyl-4,9-dihydroxy-1H-pyrano [3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione ;	190710-79-3	C22H21N3O5	407.42	
	TOLTERODINE					

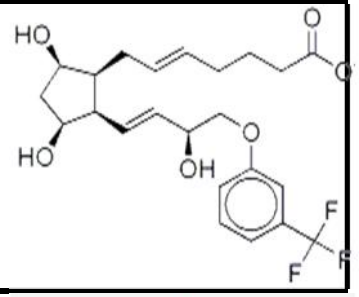
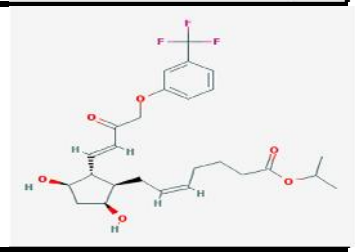
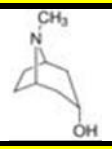
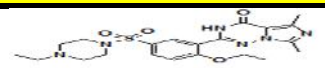
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Tolterodine EP Impurity E	4-methyl-2-{1-phenyl-3-[(propan-2-yl)amino]propyl}phenol.	480432-14-2	C19H25NO	283.41	
	Tolterodine Lactone Impurity Racemate	6-Methyl-4-phenyl-3,4-dihydro-1-benzopyran-2-one ;	40546-94-9	C16H14O2	238.28	
	TRIMETHOPRIM					
	Trimethoprim Impurity B	(2,4-Diaminopyrimidin-5-yl)(3,4,5-trimethoxyphenyl)methanone ;	30806-86-1	C14H16N4O4	304.3	
	Trimipramine Impurity C	(2RS)-3-(5H-Dibenzo[b,f]azepin-5-yl)-N,N,2-trimethylpropan-1-amine ;	315-69-5	C20H24N2	292.42	
	TROPICAMIDE					
	Tropicamide RC C	2-Phenylhydracrylic acid, 3-Hydroxy-2-phenylpropionic acid	529-64-6	C9H10O3	166.17	
	TRIMEBUTINE					

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Trimebutine Base	NA	39133-31-8	C22H29NO5	387.47	
	TROSPIUM					
	Trospium Chloride RC A	Benzilic Acid	76-93-7	C14H12O3	228.24	
	Trospium Impurity D	NA	467-32-3	C28H20O4	420.47	
	TRANEXAMIC					
	Tranexamic Acid Impurity D	4-Aminomethylbenzoic acid ;	56-91-7	C8H9NO2	151.16	
	1,2,4-Triazole Sodium Salt	1H-1,2,4-Triazole Sodium Salt; Sodium 1,2,4-triazole-4-ide; Sodium 1H-1,2,4-Triazolate; Sodium 1H-1,2,4-Triazolide; Triazole Sodium Salt.	41253-21-8	C2H2N3Na	91.05	
	TRAVOPROST					
	Travoprost Related Compound A	(5Z ,13E)-(9S,11R,15R)-9,11,15-trihydroxy-16-(m-trifluoromethylphenoxy)-17,18,19,20-tetranor-5,13-prostadienoic acid	54276-17-4	C23H29F3O6	458.47	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	5,6-Trans Travoprost	5,6-trans Travoprost;(5E)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3R)-3-hydroxy-4-[3-(trifluoromethyl)phenoxy]-1-buten-1-yl]cyclopentyl]-5-heptenoic acid 1-methylethyl ester;(5E)-7-[(1R,3R,3R,5S)-3,5-dihydroxy-2-[(1E,3R)-3-hydroxy-4-[3-(trifluoroMethyl)phenoxy]-1-buten-1-yl]cyclopentyl]-5-heptenoic Acid 1-Methylethyl Ester.	1563176-59-9	C26H35F3O6	500.55	
	15-Keto Derivative	(5Z,13E)-(9S,11R)-9,11,-Dihydroxy-15-oxo-16-(m-trifluoromethylphenoxy)-17,18,19,20-tetranor-5,13-prostadienoic acid,isopropyl ester	404830-45-1	C26H33F3O6	498.53	
	TROPISETRON					
	Tropisetron Impurity A	(1R,3r,5S)-8-Methyl-8-azabicyclo[3.2.1]oct-3-ol (Tropine)	120-29-6	C18H15NO	141.21	
	VARDENAFIL					
V	Vardenafil EP Impurity A	VSLS-VAR-A	NA	C21H28N6O4S	460.55	
	Vardenafil Impurity D	Vardenafil Dimer;phenylene))bis(5-methyl-7-propylimidazo[5,1-f][1,2,4]triazin-4(3H)-one).	1255919-03-9	C38H46N10O8S2	834.96	

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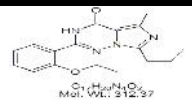
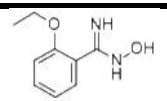
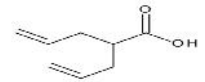
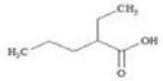
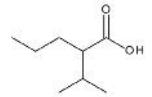
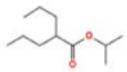
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Vardenafil Dessulfonyl Impurity	2-(2-Ethoxyphenyl)-5-methyl-7-propyl-3H-imidazo[5,1-f][1,2,4]triazin-4-one.	224789-21-3	C17H20N4O2	312.37	
	2-ETHOXY-N-HYDROXY-BENZAMIDINE	Imidoxim;2-ETHOXY-N-HYDROXY-BENZAMIDINE;Vardenafil IMpurity (2-Ethoxy-N-Hydroxy BenzaMidine)	879-57-2	C9H12N2O2	180.2	
.	Benzoyl Impurity	NA	1255919-01-7	C26H30N6O4S	522.20	
	VALPROIC ACID					
	Valproic Acid Impurity A	pentanoic acid	109-52-4	C5H10O2	102.13	
	Valproic Acid Related Compound A	NA	99-67-2	C8H12O2	140.18	
	Valproic Acid Impurity B	NA	20225-24-5	C7H14O2	130.19	
	Valproic Acid Impurity C	(2RS)-2-(1-Methylethyl)pentanoicAcid.	62391-99-5	C8H16O2	144.22	
	Valproic Acid Impurity D	isopropyl 2-propylpentanoate	52061-75-3	C11H22O2	186.29	

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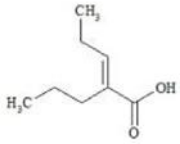
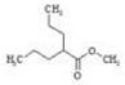
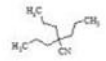
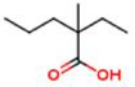
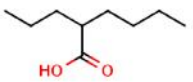
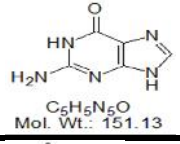
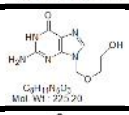
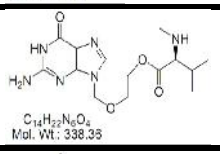
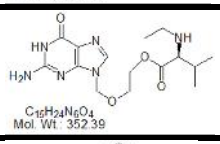
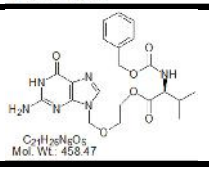
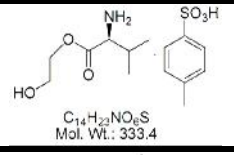
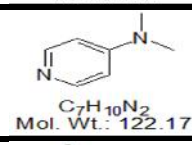
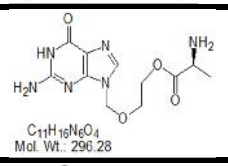
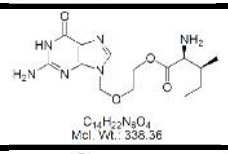
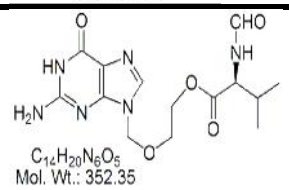
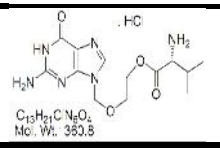
	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Valproic Acid Impurity E	2-Propyl-2-Pentenoic Acid	NA	C8H14NO2	142.20	
	Valproic Acid Impurity F	NA	NA	C9H18O2	158.24	
	Valproic Acid Impurity G	NA	NA	C11H23NO	185.31	
	Valproic Acid Impurity I	NA	NA	C8H15N	125.22	
	Valproic Acid Impurity J	NA	NA	C11H21N	167.30	
	Valproic Acid Impurity K	2-ethyl-2-methylpentanoic acid	5343-52-2	C14H20N2O3	264.33	

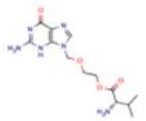
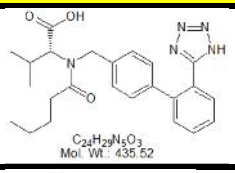
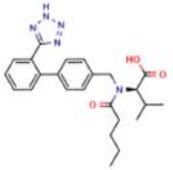
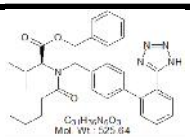
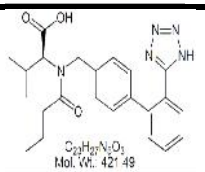
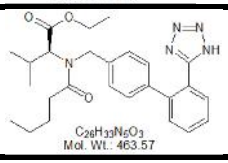
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	2-Butyl Valproic	4-Octanecarboxylic Acid;	3274-28-0	C9H18O2	158.24	
	VALACICLOVIR					
	Valaciclovir EP Impurity A	Valaciclovir USP Related Compound A ; Guanine ; 2-Amino-1,9-dihydro-6H-purin-6-one ;	73-40-5	C5H5N5O	151.13	
	Valaciclovir EP Impurity B	Valaciclovir USP Related Compound B ; Aciclovir ; 2-Amino-9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one ;	59277-89-3	C8H11N5O3	225.20	
	Valaciclovir EP Impurity C	2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl-N-methyl-L-valinate ;	1346617-39-7 (HCl salt) ; 1346747-	C14H22N6O4 (base) ; C14H23ClN6O4 (HCl sa	338.36	
	Valaciclovir EP Impurity D	2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl-N-ethyl-L-valinate ;	1346747-69-0	C15H24N6O4	352.39	
	Valaciclovir EP Impurity E	Valaciclovir USP Related Compound E ; N-Benzyloxycarbonyl Valacyclovir ; 2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl N-(benzyloxy carbonyl)-L-valinate ;	124832-31-1	C21H26N6O6	458.47	

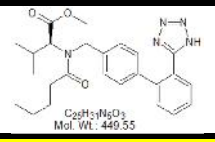
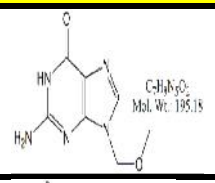
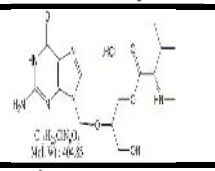
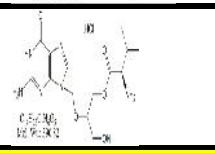
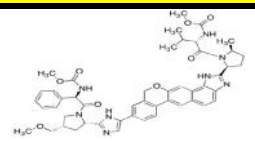
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Valaciclovir EP Impurity F	Valaciclovir USP Related Compound F ; 2-Hydroxyethyl L-valinate tosylate ;	86150-61-0	C14H23NO6S	333.40	
	Valaciclovir EP Impurity G	Valaciclovir USP Related Compound G ; N,N-Dimethylpyridin-4-amine ;	1122-58-3	C7H10N2	122.17	
	Valaciclovir EP Impurity H	2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl L-alaninate ;	84499-64-9 (base) ; 84499-63-8 (HCl	C11H16N6O4	296.28	
	Valaciclovir EP Impurity J	2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl L-isoleucinate ;	142963-63-1	C14H22N6O4	338.36	
	Valaciclovir EP Impurity M	N-Formyl Valacyclovir ; 2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl N-formyl-L-valinate ;	847670-62-6	C14H20N6O5	352.35	
	Valaciclovir EP Impurity R	D-Valacyclovir Hydrochloride ; Acyclovir D-Valinate Hydrochloride ; D-VACV Hydrochloride ; 2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl D-valinate hydrochloride ;	124832-28-6	C13H21ClN6O4	360.8	

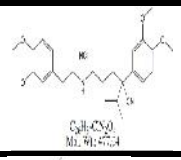
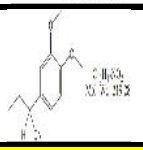
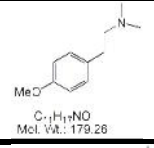
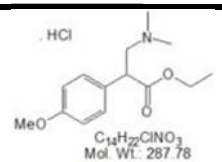
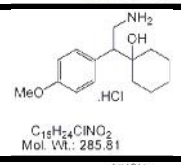
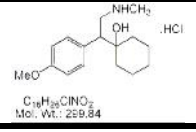
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Valacyclovir	L-Valine 2-[(2-Amino-1,6-dihydro-6-oxo-9H-purin-9yl)methoxy]ethyl Ester.	124832-26-4	C13H20N6O4	324.34	
	VALSARTAN					
	Valsartan USP RC A	Valsartan EP Impurity A ; Valsartan R-Isomer ; (R)-Valsartan ;(R-N-valeryl-N-([2'-(1H-tetrazole-5-yl)biphen-4-yl]methyl)valine ;	137862-87-4	C24H29N5O3	435.52	
	Valsartan EP Impurity A	Valsartan EP impurity A;ent-Valsartan;USP Valsartan Related Compound A;Valsartan R Isomer; (2R)-3-methyl-2[pentanoyl[[2'- (1H-tetrazol-5-yl)biphenyl-4-yl]methyl]amino]butanoc cid;(R-N-valeryl-N-([2-(1H-tetrazole-5-yl)biphen-4-yl]methyl)valine	137862-87-4	C24H29N5O3	435.52	
	Valsartan EP Impurity B	Valsartan USP Related Compound C ;Valsartan Benzyl Ester ; [(S-N-Valeryl-N-([2'-(1H-tetrazole-5-yl)biphen-4-yl]methyl)-valine benzyl ester ;	137863-20-8	C31H35N5O3	525.64	
	Valsartan EP Impurity C	Valsartan N-Oxybutyl Analog ; Valsartan N-Butyryl Analog ; (S)-N-(1-Oxobutyl)-N-[[2-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-valine ;	952652-79-8	C23H27N5O3	421.49	
	Valsartan Ethyl Ester	(S)-N-Valeryl-N-([2'-(1H-tetrazole-5-yl)biphen-6-yl]methyl)-valine ethyl ester	1111177-30-0	C26H33N5O3	463.57	

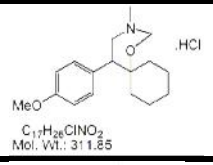
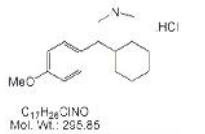
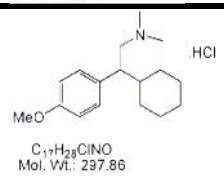
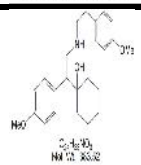
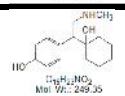
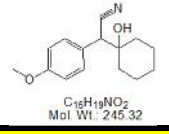
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Valsartan Methyl Ester	Valsartan USP RC E;(S)-N-Valeryl-N-([2'-(1H-tetrazole-5-yl)biphen-5-yl]methyl)-valine methyl ester	137863-17-3	C25H31N5O3	449.55	
	VALGANCICLOVIR					
	Valganciclovir USP RC C	9-Methoxymethyl Guanine ; 2-Amino-1,9-dihydro-9-(methoxymethyl)-6H-purin-6-one ;	1202645-50-8	C7H9N5O2	195.18	
	Valganciclovir USP RC N	Ganciclovir Mono-N-Methyl Valinate ; N-Methyl Valganciclovir HCl ; N-Methyl-L-valine 2-[(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methoxy]-3-hydroxypropyl ester HCl	1401562-16-0	C15H25ClN6O5	404.85	
	Valganciclovir HCl D-Valine Analog	Valganciclovir HCl D-Valine Analog	1393911-57-3	C14H23ClN6O5	390.82	
	VELPATASVIR					
	Velpatasvir	GS 5816; Methyl [(2S)-1-[(2S,5S)-2-[9-[2-[(2S,4S)-1-[(2R)-2-[(Methoxycarbonyl)amino]-2-phenylacetyl]-4-(methoxymethyl)pyrrolidin-2-yl]-1H-imidazol-5-yl]-1,11-dihydroisochromeno[4&#65533;,3&#65533;:6,7]naphtho[1,2-d]imidazol-2-yl]-5-methylpyrrolidin-1-yl]-3-methyl-1-oxobutan-2-yl]carbamate;	1377049-84-7	C49H54N8O8	883	
	VERAPAMIL					

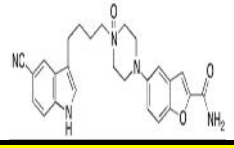
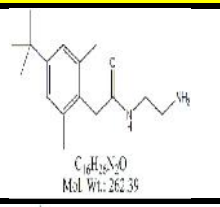
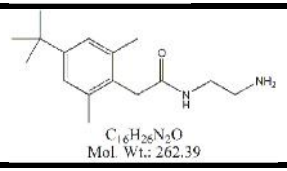
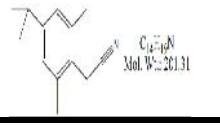
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Verapamil EP Impurity J HCl	(2RS)-2-(3,4-Dimethoxyphenyl)-5-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-2-(1-methylethyl)pentanenitrile monohydrochloride ;	67812-42-4 (HCl salt)	C26H37ClN2O4	477.04	
	Verapamil Impurity K	(2RS)-2-(3,4-Dimethoxyphenyl)-3-methylbutanenitrile ;	20850-49-1	C13H17NO2	219.28	
	VENLAFAXINE					
	Venlafaxine EP Impurity A	2-(4-Methoxyphenyl)-N,N-dimethylethanamine ;	775-33-7	C11H17NO	179.26	
	Venlafaxine EP Impurity B	Venlafaxine Ester Impurity ; Ethyl (2RS)-3-(dimethylamino)-2-(4-methoxyphenyl)propanoate hydrochloride ;	323176-93-8 (Base)	C14H22ClNO3	287.78	
	Venlafaxine EP Impurity C	Venlafaxine EP Impurity C ("DDMV") ; N,N-Didesmethyl Venlafaxine Hydrochloride ; 1-[2-Amino-1-(4-methoxyphenyl) ethyl] cyclohexanol hydrochloride ;	130198-05-9	C15H24ClNO2	285.81	
	Venlafaxine EP Impurity D	1-[(1RS)-1-(4-Methoxyphenyl)-2-(methylamino)ethyl]cyclohexanol Hydrochloride ;	93413-90-2	C16H26ClNO2	299.84	

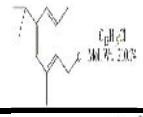
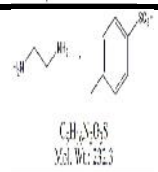
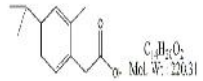
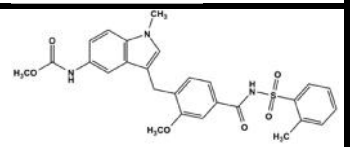
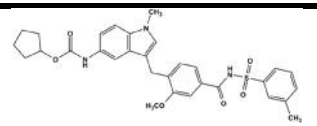
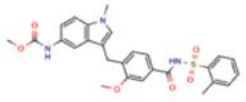
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Venlafaxine EP Impurity E	(5RS)-5-(4-Methoxyphenyl)-3-methyl-1-oxa-3- azaspiro-[5.5]undecane Hydrochloride ;	93413-56-0	C17H26ClNO2	311.85	
	Venlafaxine EP Impurity F	(2RS)-2-(Cyclohex-1-enyl)-2-(4-methoxyphenyl)-N,N-dimethylethanamine hydrochloride ; 2-Cyclohexenyl-2-(4-methoxyphenyl)-N,N -dimethylethanamine hydrochloride	93413-79-7	C17H26ClNO	295.85	
	Venlafaxine EP Impurity G	Deshydroxy Venlafaxine Hydrochloride ; 1-[2-Dimethylamino-1-(4-methoxyphenyl) ethyl] cyclohexane HCl ;	1076199-92-2	C17H28ClNO	297.86	
	Venlafaxine EP Impurity H (Base)	-[2-(2-(p-Methoxyphenyl)ethylamino-1-(4-methoxyphenyl) ethyl] cyclo hexanol ;	1329795-88-1	C24H33NO3	383.52	
	Venlafaxine O-Desmethyl N-Desmethyl Impurity	O-Desmethyl N-Desmethyl Venlafaxine ; N-Desmethyl Desvenlafaxine ; N,O-Didesmethyl Venlafaxine ; 4-[2-(Methylamino)-1-(1-hydroxycyclohexyl) ethyl]phenol ;	135308-74-6	C15H23NO2	249.35	
	Venlafaxine Hydroxy Nitrile Impurity	1-(Cyano-(4-methoxyphenyl)methyl)cyclohexanol ;	93413-76-4	C15H19NO2	245.32	
	VILAZODONE					

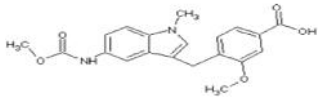
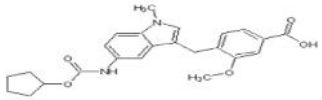
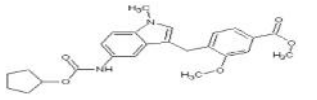
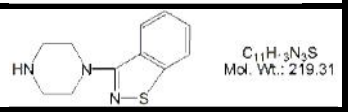
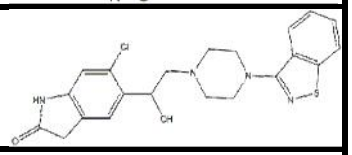
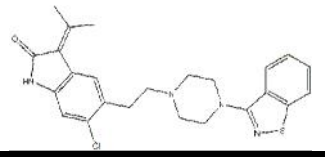
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Vilazodone N-Oxide	5-[4-[4-(5-Cyano-1H-indol-3-yl)butyl]-4-oxido-1-piperazinyl]-2-benzofurancarboxamide;	1622425-52-8	C26H27N5O3	457.52	
	VORICONAZOLE					
	Voriconazole EP Impurity B	(2RS,3SR)-2-(2,4-Difluorophenyl)-3-pyrimidin-4-yl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol ;	182369-73-9	C16H15F2N5O	331.32	
	XYLOMETAZOLINE					
X	Xylometazoline HCl	Oxymetazoline EP Impurity B ; 2-[4-(1,1-Dimethylethyl)-2,6-dimethylbenzyl]-4,5-dihydro-1H-imidazole hydrochloride ;	1218-35-5	C16H25ClN2	280.84	
	Xylometazoline EP Impurity A	N-(2-Aminoethyl)-2-[4-(1,1-dimethylethyl)-2,6-dimethylphenyl]acetamide ;	94266-17-8	C16H26N2O	262.39	
	Xylometazoline EP Impurity C	[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]acetonitrile	84803-57-6	C14H19N	201.31	

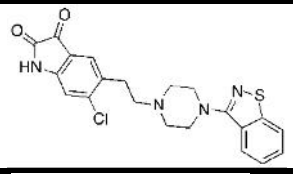
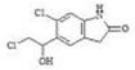
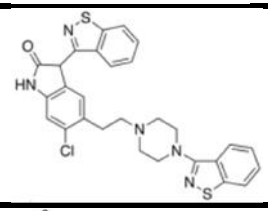
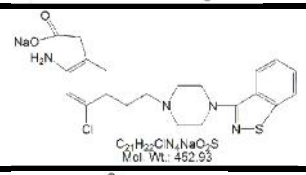
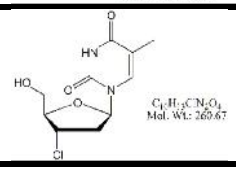
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Xylometazoline EP Impurity D	1-(1,1-Dimethylethyl)-3,5-dimethylbenzene ;	98-19-1	C12H18	162.27	
	Xylometazoline EP Impurity E	Ethane-1,2-diamine mono(4-methylbenzenesulfonate) ; Ethylenediamine p-toluenesulfonate ;	14034-59-4	C9H16N2O3S	232.3	
	Xylometazoline EP Impurity F	[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]acetic acid ;	854646-92-7	C14H20O2	220.31	
Z	Zafirlukast Impurity A	: Decyclopentyl Zafirlukast Methyl Ester; N-[3-[[2-methoxy-4-[[[(2-methylphenyl)sulfonyl]amino]carbonyl]phenyl]methyl]-1-methyl-1H-indol-5-yl]carbamic Acid Methyl Ester; Zafirlukast Related Compound C; Methyl 3-[2-Methoxy-4-(o-tolylsulfonylcarbamoyl)benzyl]	1159195-67-1	C27H27N3O6S	521.58	
	Zafirlukast Impurity B	Zafirlukast m-Tolyl Isomer; N-[3-[[2-Methoxy-4-[[[(3-methylphenyl)sulfonyl]amino]carbonyl]phenyl]methyl]-1-methyl-1H-indol-5-yl]carbamic Acid Cyclopentyl Ester; USP Zafirlukast Related Compound D; Cyclopentyl 3-[2-Methoxy-4-(m-tolylsulfonylcarbamoyl)benzy	1159195-69-3	C31H33N3O6S	575.68	
	Zafirlukast RC C	N-[3-[[2-methoxy-4-[[[(2-methylphenyl)sulfonyl]ami1H-indol-5-thyl Ester;Decyclopentyl Zafirlukast Methyl Ester	1159195-67-1	C27H27N3O6S	521.58	

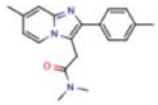
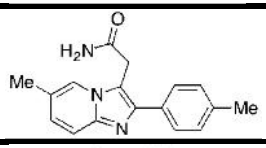
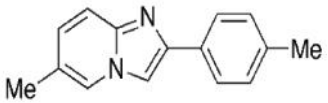
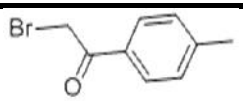
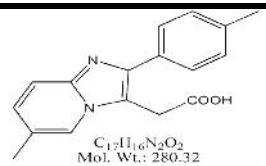
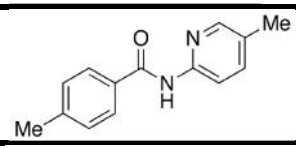
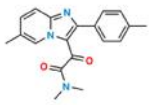
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Zafirlukast Impurity D	3-methoxy-4-({5-[(methoxycarbonyl)amino]-1-methyl-1H-indol-3-yl}methyl)benzoic acid	NA	C20H20N2O5	368.38	
	Zafirlukast Impurity E	4-[[5-[[(Cyclopentyloxy)carbonyl]amino]-1-methyl-1H-indol-3-yl]methyl]-3-methoxybenzoic Acid	107754-20-1	C24H26N2O5	422.47	
	Zafirlukast Impurity F	4-[[5-[[(Cyclopentyloxy)carbonyl]amino]-1-methyl-1H-indol-3-yl]methyl]-3-methoxy-benzoic Acid Methyl Ester	107754-19-8	C25H28N2O5	436.5	
	Ziprasidone EP Impurity A	1 Ziprasidone USP RC A ; 3-Piperazin-1-yl-1,2-benzisothiazole.	87691-87-0	C11H13N3S	219.31	
	Hydroxy Ziprasidone	: Hydroxy Ziprasidone;5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl]-1-hydroxyethyl]-6-chloro-1,3-dihydro-2H-indol-2-one;Ziprasidone BC	884305-08-2	C21H21ClN4O2	428.93504	
	Isopropylidene Ziprasidone	Isopropylidene ziprasidone;5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-3-(1-methylethylidene)-2H-indol-2-one.	684269-12-3	C24H25ClN4OS	452.9995	

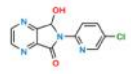
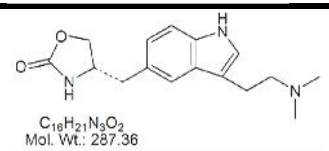
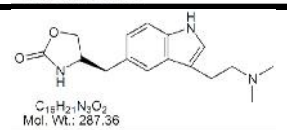
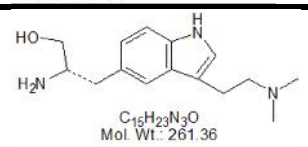
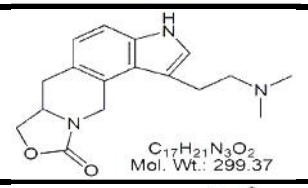
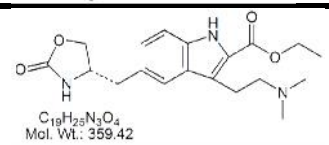
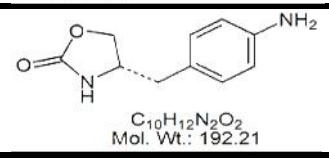
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	3-Oxo Ziprasidone (Ziprasidone Impurity B)	5-[2-[4-(1,2-Benzisothiazol-3-yl)piperazin-1-yl]ethyl]-6-chloro-1H-indole-2,3-dione; Ziprasidone Impurity B.	1159977-56-6	C21H19ClN4O2S	426.91916	
	ZPH-2 Alcohol Impurity	Ziprasidone Impurity (6-Chloro-5-(2-Chloro-1-Hydroxy-Ethyl)-1,3-Dihydro-Indol-2-One.	884305-06-0	C10H9Cl2NO2	246.09	
	3-(1,2-Benzisothiazolyl) Ziprasidone (Ziprasidone Impurity E)	3-(1,2-Benzisothiazol-3-yl)-5-[2-[4-(1,2-benzisothiazol-3yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-2H-indol-2-one; Ziprasidone Impurity E.	1159977-04-4	C??H??ClN?OS?	546.11	
	Ziprasidone EP Impurity C	2-[2-Amino-5-[2-[4-(1,2-benzisothiazol-3-yl)piperazin-1-yl]ethyl]-4-chlorophenyl]acetic acid sodium salt ;	1798033-44-9	C21H22ClN4NaO2S	452.93	
	Zidovudine EP Impurity B	1-(3-Chloro-2,3-dideoxy-?-D-erythro-pentofuranosyl)-5-methylpyrimidine-2,4(1H,3H)-dione ;	25526-94-7	C10H13ClN2O4	260.67	

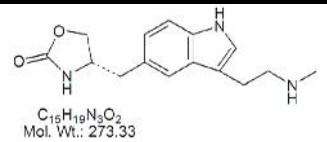
Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Zolpidem USP RC A	Zolpidem USP Related Compound A;5-Methyl Zolpidem;Zolpidem Related Compound A;N,N-dimethyl-2-(7-methyl-2-(p-tolyl)imidazo[1,2-a]pyridin-3-y;N,N-Dimethyl-2-[7-methyl-2-(4-methylphenyl)imidazo[1,2-a]pyridin-3-yl;Zolpidem EP Impurity A;	1346600-85-8	C19H21N3O	307.39	
	Zolpidem USP RC C	6-Methyl-2-(4-methylphenyl)imidazo[1,2-a]pyridine-3-acetamide	365213-58-7	C17H17N3O	279.34	
	6-Methyl-2-(4-Methylphenyl)-Imidazo[1,2-A]Pyridine	2-(4-Methylphenyl)-6-methylimidazo[1,2-a]pyridine	88965-00-8	C15H14N2	222.29	
	2-Bromo-4'-Methylacetophenone	Methylphenacyl bromide;2-bromo-1ptolylethanone;4Methylphenacylbromide98%;Bromomethyl p-tolyl ketone;	619-41-0	C9H9BrO	213.07	
	Zolpidem Acid Impurity	2-(6-Methyl-2-p-tolylimidazo[1,2-]pyridin-3-yl)acetic acid ;	189005-44-5	C17H16N2O2	280.32	
	Zolpidem Impurity C	4-Methyl-N-(5-methyl-2-pyridinyl)benzamide.Zolpyridine; Zolpidem Impurity;	349122-64-1	C14H14N2O	226.27	
	Zolpidem USP RC B	2-Oxo Zolpidem ; N,N-Dimethyl-2-(6-methyl-2-p-tolylimidazo[1,2-a]pyridin-3-yl)-2-oxoacetamide.	400038-68-8	C19H19N3O2	321.4	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Zopiclone Impurity B	6-(5-chloropyridin-2-yl)-7-hydroxy-6,7-dihydro-5H-pyrrolo[3,4-b]pyrazin-5-one	43200-81-3	C11H7ClN4O2	262.65	
	Zolmitriptan	(S)-4-({3-[2-(Dimethylamino)ethyl]-1H-indol-5-yl}methyl)oxazolidin-2-one ;	139264-17-8	C16H21N3O2	287.36	
	Zolmitriptan R-Isomer	(R)-4-({3-[2-(Dimethylamino)ethyl]indol-5-yl}methyl)oxazolidin-2-one.	139264-24-7	C16H21N3O2	287.36	
	Zolmitriptan USP RC B	(S)-2-Amino-3-{3-[2-(dimethylamino)ethyl]-1H-indol-5-yl}propan-1-ol.	139264-69-0	C13H19N3O	233.31	
	Zolmitriptan USP RC C	Zolmitriptan USP Related Compound C;1-[2-(Dimethylamino)ethyl]-6,6a,7,11-tetrahydrooxazolo[3,4-b]pyrrolo[2,3-h]isoquinolin-9(3H)-on	1346599-24-3	C17H21N3O2	299.36	
	Zolmitriptan USP RC D	Ethoxycarbonyl Zolmitriptan ; (S)-Ethyl 3-[2-(dimethylamino)ethyl]-5-[(2-oxooxazolidin-4-yl)methyl]-1H-indole-2-carboxylate	191864-24-1	C19H25N3O4	359.42	
	Zolmitriptan USP RC G	(S)-4-(4-Aminobenzyl)-2-(1H)-oxazolidinone	152305-23-2	C10H12N2O2	192.21	

Impurity Catalogue	Venkatasai Life Sciences	Venkatasai

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	structure
	Zolmitriptan N-Desmethyl	Zolmitriptan USP Related Compound A ; N-Desmethyl Zolmitriptan ; (S)-4-({3-[2-(Methylamino)ethyl]-1H-indol-5-yl}methyl)oxazolidin-2-one ;	139264-35-0	C15H19N3O2	273.33	
	Zolmitriptan N-Oxide	Zolmitriptan USP RC E ; Zolmitriptan N-Oxide ; (4S)-4-[[3-[2-(Dimethyloxidoamino)ethyl]-1H-indol-5-yl]methyl-2-oxazolidinone ;	251451-30-6	C16H21N3O3	303.36