

## Intermediates

Chemical Name	CAS Number
<b>LANSOPRAZOLE &amp; DEX LANSOPRAZOLE</b>	
• 4-Nitro-2, 3-dimethyl pyridine-1-oxide	37699-43-7
• 2-(Hydroxy methyl)-3-methyl-4-(2,2,2-trifluoro ethoxy)pyridine hydrochloride	253345-80-1
• 2-chloromethyl-3-methyl-4-(2,2,2-trifluoro ethoxy)pyridine hydrochloride	127337-60-4
• 2[[[3-methyl-4-(2, 2, 2-trifluoro ethoxy)2-pyridinyl]methyl]sulfanyl]-1H-benzimidazole	103577-40-8
• L (+) Diethyl Tartrate (or) (+) Diethyl-L-Tartrate	87-91-2
<b>RABEPRAZOLE SODIUM</b>	
• 2-Hydroxymethyl-4-(3-Methoxy Propoxy)-3-Methyl Pyridine hydrochloride	675198-19-3
• 2-chloro methyl-4-(3-Methoxy Propoxy)-3-Methyl Pyridine hydrochloride	153259-31-5
• 2-[[[4-(3-Methoxy Propoxy-3-mthyl-2Pyridyl] Methyl]Thio]-1H-Benzimidazole	117977-21-6
<b>OMEPRAZOLE &amp; ESOMEPRAZOLE</b>	
• 2-chlorometyl-3, 5-dimethyl-4-methoxy pyridine hydrochloride	86604-75-3
• 2-[[[3,5-Dimethyl-4-nitro-2-pyridinyl)methyl]thio]-5-methoxy-1H-benzimidazole	142885-91-4
• 5-methoxy-2-[[[4-methoxy-3, 5-demythl-2-pyridinyl)methyl]Thio]-1H-benzimidazole	73590-85-9
• Diethyl D (-) Tartrate	13811-71-7
<b>ILAPRAZOLE</b>	
• 2-chloromethyl-3-methyl-4-methoxypyridine hydrochloride	124473-12-7
• 2-Hydroxymethyl-4-methoxy-3-methyl pyridine hydrochloride	86604-77-5
• 2-(4-Methoxy-3-methylpyridin-2-ylmethylsulfanyl)-5-(1-pyrrolyl)-1H-benzimidazole	
• 5-(1H-pyrrol-1-yl)-1H-benzo[d]imidazole-2-thiol	172152-53-3
<b>VONOPRAZAN FUMARATE</b>	
• 5-(2-Fluorophenyl)-1-[(pyridin-3-yl)sulfonyl]-1H-pyrrole-3-carboxaldehyde	881677-11-8
• 5-(2-Fluorophenyl)-1H-pyrrole-3-carbonitrile	1240948-77-9
• Pyridine-3-sulfonyl chloride	16133-25-8

None: The products will be supplied to countries in which these could be in conflict with existing patents, however, the final responsibility lies exclusively with the buyer.

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<b>QUETIAPINE FUMARATE</b>	
• Dibenzo[b,f][1,4]Thiazepin-11(10 H)-one	3159-07-7
• N-[dibenzo-[b,f][1,4]thiazepin-11-Y1]Piperazine DiHydrochloride (or) 11-piperazinylid ibenzo[b,f] [1,4]thiazepine hydrochloride	11974-74-4
• 1-[2-(2-Hydroxyethoxy)ethyl]piperazine	13349-82-1
<b>ARIPIRAZOLE</b>	
• 7-Hydroxy-3, 4-dihydro-1H-quinolin-2-one (OR) 7-Hydroxy-3, 4-Dihydro Carbostyrl	22246-18-0
• 7-(4-Chlorobutoxy)-3,4-dihydro-2(1H)-quinolinone	120004-79-7
• 1-(2,3-Dichlorophenyl)piperazine hydrochloride	119532-26-2
<b>OLANZAPINE</b>	
• 2-methyl-4-amino-10H-theino-[2, 3-b][1,5]benzodiazepine hydrochloride	138561-60-0
<b>PALIPERIDONE</b>	
• 3-(2-Chloro ethyl)-9-hydroxy-2-methyl-4H-Pyrido[1,2-a]-Pyrimidin-4-one	260273-82-3
• 3-(2-Chloro ethyl)-6,7,8,9-Tetrahydro-9-hydroxy-2-methyl-4H-Pyrido[1,2-a]- Pyrimidin-4-one	130049-82-0
<b>BREXPIRAZOLE</b>	
• 1-Benzo[b]thien-4-yl-piperazine hydrochloride	913614-18-3
• 7-(4-Chlorobutoxy)quinolin-2(1H)-one	913613-82-8
• 4-bromo benzo[b]thiophene-2-carboxylic acid	5194-37-6
• 4-Bromo benzo[b]thiophene	5118-13-8
<b>CARIPRAZINE HYDROCHLORIDE</b>	
• Ethyl trans 2-(4-aminocyclohexy)acetate hydrochloride	76308-26-4
• Ethyl 2-((1r,4r)-4-(3,3-dimethylureido)cyclohexyl)acetate	1642586-63-7
• 3-((1r,4r)-4-(2-hydroxyethyl) cyclohexyl)-1,1-dimethylurea	1698050-40-6
• 3-((1r,4r)-4-(formylmethyl)cyclohexyl)-1,1-dimethylurea	1642586-58-0
• Ethyl 2-[trans-4-[(tert-Butoxycarbonyl)amino]cyclohexyl]acetate	946598-34-1

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Chemical Name	CAS Number
<b>RIVAROXABAN</b>	
• 4-(4-Nitrophenyl)morpholin-3-one	446292-04-2
• 4-(4-Aminophenyl)morpholin-3-one	438056-69-0
• (S)-N-Glycidylphthalimide	161596-47-0
• (S)-4-(4-(5-(Aminomethyl)-2-oxooxazolidin-3-yl)phenyl)morpholin-3-one	446292-10-0
• (S)-4-(4-(5-(Aminomethyl)-2-oxooxazolidin-3-yl)phenyl)morpholin-3-one hydrochloride	898543-06-1
• (S)-4-(4-(5-(Aminomethyl)-2-oxooxazolidin-3-yl)phenyl)morpholin-3-one oxalate	
• 2-[[[(5S)-2-Oxo-3-[4-(3-oxo-4-morpholinyl)phenyl]-5-oxazolidinyl]methyl]-1H-isoindole-1,3(2H)-dione	446292-08-6
• (R)-2-(2-Hydroxy-3-((4-(3-oxomorpholino) phenyl)amino)propyl)isoindoline-1,3-dione	446292-07-5
<b>DABIGATRAN ETEXILATE MESYLATE</b>	
• 2-(4-Cyanophenylamino)acetic acid	42288-26-6
• Ethyl 3-(2-pyridylamino)propanoate	103041-38-9
• 4-(Methylamino)-3-nitrobenzoic acid	41263-74-5
• Ethyl 3-(4-(ethylamino)-3-nitro-N-(pyridin-2-yl)benzamido)propanoate	429659-01-8
• Ethyl 3-(3-amino-4-(methylamino)-N-pyridin-2-yl)benzamido)propanoate	212322-56-0
• Ethyl 3-[[2-[[[(4-cyanophenyl)amino]methyl]-1-methyl-1H-benzimidazol-5-yl]carbonyl](pyridin-2yl)amino]propanoate	211915-84-3
• Ethyl 3-[[2-[[[(4-{carbamimidoyl}phenyl)amino]methyl]-1-methyl-1H-benzimidazol-5-yl]carbonyl](pyridin-2-yl) amino]propanoate	429658-95-7
• N-[[2-[[[4-(Aminoiminomethyl)phenyl]amino]methyl]-1-methyl-1H-benzimidazol-5-yl] carbonyl]-N-2-pyridinyl-β-alanine Ethyl Ester hydrochloride	211914-50-0
• N-[[2-[[[4-[[[(Hexyloxy)carbonyl]amino]iminomethyl]phenyl]amino]methyl]-1-methyl-1H-benzimidazol-5-yl]carbonyl]-N-2-pyridinyl-β-Alanine Ethyl Ester	211915-06-9
<b>TRAZODONE HYDROCHLORIDE</b>	
• 1-(3-Chlorophenyl)-4-(3-chloropropyl)piperazine hydrochloride	52605-52-4
• 1-(3-Chlorophenyl)piperazine hydrochloride	65369-76-8
• 1,2,4-Triazolo[4,3-a]pyridine-3(2H)-one	6969-71-7

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Chemical Name	CAS Number
<b>APIXABAN</b>	
• 1-(4-Nitrophenyl)piperidin-2-one	38560-30-4
• 3-Morpholino-1-(4-nitrophenyl)-5,6-dihydropyridin-2(1H)-one	503615-03-0
• 1-(4-Aminophenyl)-3-morpholino-5,6-dihydropyridin-2(1H)-one	1267610-26-3
• 3-Morpholino-1-(4-(2-oxopiperidin-1-yl)phenyl)-5,6-dihydropyridin-2(1H)-one	545445-44-1
• (Z)-Ethyl 2-Chloro-2-(2-(4-methoxyphenyl)hydrazono)acetate	27143-07-3
• Ethyl 1-(4-methoxyphenyl)-7-oxo-6-(4-(2-oxopiperidin-1-yl)phenyl)4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylate	503614-91-3
<b>ITRACONAZOLE</b>	
• Cis-(2, 4-(dichlorophenyl)-2-(1H-1, 2, 4-triazol-1-yl-methyl) 1, 3-dioxolan-4-yl) methyl methanesulfonate	67914-86-7
• 2,4-Dihydro-4-[(4-methoxy phenyl)-1-piperazinyl] phenyl]-2-(1-methylpropyl-3H-1,2,4-triazol-3-one	252964-68-4
• 2,4-Dihydro-4-[4-[4-(4-hydroxyphenyl)-1-piperazinyl]phenyl]-2-(1-methylpropyl)-3H-1,2,4-triazol-3-one	106461-41-0
<b>DACLATASVIR DIHYDROCHLORIDE</b>	
• 4,4'-Bis(2-chloroacetyl)biphenyl	24860-53-5
• (2S,2'S)-2,2'-([1,1'-Biphenyl]-4,4'-diyl-di-1H-imidazole-5,2-diyl)bis-1-pyrrolidinecarboxylic Acid 1,1'-Bis(1,1-dimethylethyl) Ester	1007882-23-6
• 5,5'-[1,1'-Biphenyl]-4,4'-diylbis[2-(2S)-2-pyrrolidinyl-1H-imidazole] hydrochloride	1009119-83-8
<b>DOXAZOSIN MESYLATE</b>	
• 1,4-Benzodioxane-2-carboxylic acid	3663-80-7
• 1-(1,4-Benzodioxan-2-ylcarbonyl)piperazine	70918-00-2
<b>FEBUXOSTAT</b>	
• Ethyl 2-(3-formyl-4-hydroxyphenyl)-4-methylthiazole-5-carboxylate	161798-01-2
• 2-(3-cyano 4-isobutoxyphenyl)-4-methylthiazole-5-carboxylic acid ethyl ester	160844-75-7

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Chemical Name	CAS Number
<b>VILDAGLIPTIN</b>	
• L-Prolinamide	7531-52-4
• (2S)-1-chloroacetyl-2-pyrrolidine carbonitrile	207557-35-5
• 3-Amino-1-adamantanol	702-82-9
<b>TOPIRAMATE</b>	
• 2, 3:4, 5-Bis-O-(1-methyle thylidene)-β,D-Fructopyranose	20880-92-6
<b>CILOSTAZOL</b>	
• 3-Chloro-N-(4-methoxyphenyl)propanamide	19313-87-2
• 6-Hydroxy-3,4-dihydro-2(1H)-quinolinone	54197-66-9
• 1-Cyclohexyl-5-(4-chlorobutyl) tetrazole(OR)5-(4-Chlorobutyl)-1-cyclohexyl-1H-tetrazole	73963-42-5
<b>IVABRADINE HYDROCHLORIDE</b>	
• (1S)-4,5-Dimethoxy-1-[(methylamino)methyl]benzocyclobutane hydrochloride	866783-13-3
• 1,3-Dihydro-3-(3-iodopropyl)-7,8-dimethoxy-2H-3-benzazepin-2-one	148870-57-9
• 4,5-Dimethoxy-1-cyanobenzocyclobutane	35202-54-1
• 7,8-Dimethoxy-1,3-dihydro-2H-3-benzazepin-2-one	73942-87-7
<b>SAFINAMIDE MESYLATE</b>	
• 4-(3-Fluoro-benzyloxy)benzaldehyde	66742-57-2
<b>EDOXABAN TOSYLATE</b>	
• Tert-butyl[(1R,2S,5S)-2-amino-5[(dimethylamino)carbony]cyclohexyl]carbamate	365998-36-3
• 2-[(5-Chloropyridin-2-yl)amino]-2-oxoacetic acid ethyl ester monohydrochloride	1243308-37-3
• 5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxylic acid hydrochloride	720720-96-7

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Chemical Name	CAS Number
<b>TOPIROXOSTAT</b>	
• 4-(3-(Pyridin-4-yl)-1H-1,2,4-triazol-5-yl)picolinamide 2-carbamoyl-4-cyano-pyridine	1992028-94-0
<b>MIRTAZAPINE</b>	
• 1-(3-Hydroxymethylpyridin-2-yl)-4-methyl-2-phenylpiperazine	61337-89-1
• 1-Methyl-3-phenylpiperazine	5271-27-2
• 1-(3-Carboxypyrid-2-yl)-2-phenyl-4-methyl-piperazine	61338-13-4
<b>DEFERASIROX</b>	
• 2-(2-hydroxyphenyl)-4H-benzo[e][1,3]oxazin-4-one	1218-69-5
• 4-Hydrazinobenzoic acid	619-67-0
<b>RANOLAZINE</b>	
• N-(2,6-Diphenylmethyl)-1-piperazine acetylamine	5294-61-1
• [(2,6-dimethylphenyl)aminocarbonylmethyl]chloride	1311-01-7
• Glycidyl 2-Methoxyphenyl Ether	2210-74-4
<b>TICAGRELOR</b>	
• 4,6-dichloro-2-propylthiopyrimidine-5-amine	145783-15-9
• 2-((3aR,4S,6R,6aS)-6-Amino-2,2-dimethyltetrahydro-3aH-cyclopenta[d]-[1,3]dioxol-4-yloxy) ethanol L-Tartaric Acid	376608-65-0
• (1R-trans)-2-(3,4-difluorophenyl)cyclopropane amine	1156491-10-9
<b>FOSFOMYCIN</b>	
• 1,2-propadienyl phosphonic acid, R-(+)-phenylethylamine salt (CAS Number: From Acid)	34163-96-7
<b>BENZONATATE &amp; TETRACAINE HYDROCHLORIDE</b>	
• Ethyl 4-(butylamino)benzoate	94-32-6
<b>BEMPEDOIC ACID</b>	
• Ethyl 7-bromo-2,2-dimethylheptanoate	123469-92-1
• 2,2,14,14-tetramethyl-8-oxopentadecanedioic acid	413624-71-2