

Format: Abstract

Send to

CNS Neurol Disord Drug Targets. 2014;13(6):953-60.

## Antidepressant-like and anxiolytic-like effects of cannabidiol: a chemical compound of Cannabis sativa.

de Mello Schier AR, de Oliveira Ribeiro NP, Coutinho DS, Machado S, Arias-Carrión O, Crippa JA, Zuardi AW, Nardi AE, Silva AC<sup>1</sup>.

### Author information

### Abstract

Anxiety and depression are pathologies that affect human beings in many aspects of life, including social life, productivity and health. Cannabidiol (CBD) is a constituent non-psychotomimetic of Cannabis sativa with great psychiatric potential, including uses as an antidepressant-like and anxiolytic-like compound. The aim of this study is to review studies of animal models using CBD as an anxiolytic-like and antidepressant-like compound. Studies involving animal models, performing a variety of experiments on the above-mentioned disorders, such as the forced swimming test (FST), elevated plus maze (EPM) and Vogel conflict test (VCT), suggest that CBD exhibited an anti-anxiety and antidepressant effects in animal models discussed. Experiments with CBD demonstrated non-activation of neuroreceptors CB1 and CB2. Most of the studies demonstrated a good interaction between CBD and the 5-HT1A neuro-receptor.

PMID: 24923339

[Indexed for MEDLINE]



Publication type, MeSH terms, Substances

LinkOut - more resources

**Full text links**  
BenthamScience  
Full-Text Article

**Save items**  
Add to Favorites

**Similar articles**

The anxiolytic-like effects of cannabidiol inject [Psychopharmacology (Berl). 2011]

Antidepressant-like effects of cannabidiol in mi [Br J Pharmacol. 2010]

**Review** Cannabidiol, a Cannabis sativa constituent, as [Braz J Psychiatry. 2012]

Effects of intra-prelimbic prefrontal corte [Eur Neuropsychopharmacol. 2014]

**Review** Evidences for the Anti-panic Actions of t [Curr Neuropharmacol. 2017]

See reviews...

See all...

**Cited by 11 PubMed Central articles**

**Review** Translational Investigation of the Therapeutic Pi [Front Immunol. 2018]

A Cross-Sectional Study of Cannabidiol User: [Cannabis Cannabinoid Res. 2018]

Preliminary evaluation of the efficacy, safety, and cost: [Ment Health Clin. 2018]

See all...

**Related information**

Articles frequently viewed together

MedGen

PubChem Compound (MeSH Keyword)

Cited in PMC

**Recent Activity**

Turn Off Clear

Antidepressant-like and anxiolytic-like effects of cannabidiol: a PubMed

The therapeutic potential of the endocannabinoid system for t PubMed

Serum contents of endocannabinoids are correle PubMed

Circulating endocannabinoids and N-acyl ethanolamines are PubMed

Antidepressant-like effect of delta9-tetrahydrocannabinol and oth PubMed

See more...

You are here: NCBI > Literature > PubMed

Support Center

### GETTING STARTED

- NCBI Education
- NCBI Help Manual
- NCBI Handbook
- Training & Tutorials
- Submit Data

### RESOURCES

- Chemicals & Bioassays
- Data & Software
- DNA & RNA
- Domains & Structures
- Genes & Expression
- Genetics & Medicine
- Genomes & Maps
- Homology
- Literature
- Proteins
- Sequence Analysis
- Taxonomy
- Variation

### POPULAR

- PubMed
- Bookshelf
- PubMed Central
- BLAST
- Nucleotide
- Genome
- SNP
- Gene
- Protein
- PubChem

### FEATURED

- Genetic Testing Registry
- GenBank
- Reference Sequences
- Gene Expression Omnibus
- Genome Data Viewer
- Human Genome
- Mouse Genome
- Influenza Virus
- Primer-BLAST
- Sequence Read Archive

### NCBI INFORMATION

- About NCBI
- Research at NCBI
- NCBI News & Blog
- NCBI FTP Site
- NCBI on Facebook
- NCBI on Twitter
- NCBI on YouTube
- Privacy Policy

