

Constituent Properties

Terpenoid essential oil components of cannabis - continued.

α -terpineol	Sedative
	Antibiotic
	AChE inhibitor
	Antioxidant
	Antimalarial
terpineol-4-ol	AChE inhibitor
	Antibiotic
<i>p</i> -cymene	Antibiotic
	Anticandidal
	AChE inhibitor
borneol	Antibiotic
Δ -3-carene	Anti-inflammatory

Flavonoid and phytosterol components of cannabis.

apigenin	Anxiolytic
	Anti-inflammatory
	Estrogenic
quercetin	Antioxidant
	Antimutagenic
	Antiviral
	Antineoplastic
cannflavin A	COX inhibitor
	LO inhibitor
β -sitosterol	Anti-inflammatory
	5- α -reductase inhibitor

Definitions of Terms

5- α -reductase inhibitor	used to treat baldness, prostate hyperplasia and prostate cancer.
AChE inhibitor	used to increase neuromuscular transmission, glaucoma, treats Alzheimer's disease, Lewy Body Dementia and Parkinson's disease, etc.
Analgesic	used to relieve pain.
Antibiotic	used to inhibit the growth of or destroys microorganisms.
Anticandidal	used to treat candida infections.
Antidepressant	used to treat depression.
Antiemetic	used to prevent vomiting.
Antifungal	used to treat fungal infections.
Anti-inflammatory	used to reduce inflammation.
Antimalarial	used to treat malaria.
Antimutagenic	capable of reducing the frequency of cell mutation.
Antineoplastic	destroying, inhibiting, or preventing the growth or spread of tumors.
Antinociceptive	used to block the sensation of pain.
Antioxidant	used to protect cells from damage.
Antipsychotic	used to manage psychosis principally for schizophrenia and bipolar disorder.
Antipyretic	used to treat fever.
Antispasmodic	used to suppress muscle spasms, including the gut.
Antiviral	used to treat viral infections.
Anxiolytic	used to treat anxiety.
Bronchodilator	used to dilate the bronchi and bronchioles, decreasing resistance in the respiratory airway and increasing airflow to the lungs.
COX inhibitor	used to provide relief from the symptoms of inflammation and pain. Non-steroidal anti-inflammatory.
Cytoprotective	any medication that combats ulcers not by reducing gastric acid but by increasing mucosal protection.
Estrogenic	used to balance hormones.
Euphoriant	used to produce a feeling of euphoria.
Immune potentiator	used to boost the immune system.
Cerebral blood flow	used to increase blood flow to the brain.
LO inhibitor	used to treat asthma.
Sedative	used to induce sedation by reducing irritability or excitement..
Stimulant	used to induce temporary improvements in either mental or physical functions or both.

Cannabis Sativa Constituents'



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Source: Cannabis and Cannabis Extracts: Greater Than the Sums of Their Parts? By John M. McPartland and Ethan B. Russo pp. 102-132

Phytocannabinoids

Phytocannabinoids refers to the class of diverse chemical compounds (found in the cannabis plant) that act on cannabinoid receptors (found in the endocannabinoid system of the human body) in cells that repress neurotransmitter release in the brain. Cannabis is a 21-carbon molecule that contains (to date) 483 chemicals, of which 66 are cannabinoids. Many of the 483 compounds have medicinal value. Research is continuing to gain more knowledge about these molecules. Currently, the United States Government, FDA, CDC, DEA, etc., still maintain that the Cannabis (aka Marijuana) plant has no medicinal value and is scheduled as a Class 1 narcotic. Below are just a few of the Phytocannabinoids and their medicinal properties.

Cannabis Constituent

Properties

Delta 9-tetrahydrocannabinol (THC)	Euphoriant Anti-inflammatory Antioxidant Antiemetic
Cannabidiol (CBD)	Anxiolytic Analgesic Antipsychotic Anti-inflammatory Antioxidant Antispasmodic
Cannabinol (CBN)	Oxidation breakdown product Sedative Antibiotic
Cannabichromene (CBC)	Anti-inflammatory Antibiotic Antifungal
Cannabigerol (CBG)	Anti-inflammatory Antibiotic Antifungal
Delta-8-tetrahydrocannabinol (Δ -8-THC)	Resembles Δ -9-THC Less psychoactive More stable molecule Antiemetic
Tetrahydrocannabivarin (THCV)	Euphoriant Analgesic

Cannabis Constituent

Properties

Terpenoid essential oil components of cannabis.

β -myrcene	Analgesic Anti-inflammatory Antibiotic Antimutagenic
β -caryophyllene	Anti-inflammatory Cytoprotective (gastric mucosa) Antimalarial
d-limonene	Immune potentiator Antidepressant Antimutagenic
linalool	Sedative Antidepressant Anxiolytic Immune potentiator
pulegone	Memory booster AChE inhibitor Sedative Antipyretic
1,8-cineole (eucalyptol)	AChE inhibitor Increases cerebral blood flow Stimulant Antibiotic Antiviral Anti-inflammatory Antinociceptive
α -pinene	Anti-inflammatory Bronchodilator Stimulant Antibiotic Antineoplastic AChE inhibitor