

What Are Cannabinoids?

cannabinoid

noun | can'na'bi'noid

kanəbə ,noid,kə' nabə

CANNABINOIDS are

a group of closely related compounds unique to cannabis [or hemp], notably including cannabidiol.

Medical Properties of Cannabinoids

According to a 2013 review published in the British Journal of Clinical Pharmacology [1], studies have found [cannabinoids] to possess the following medical properties:



Antiemetic

Reduces nausea and vomiting



Anticonvulsant

Suppresses seizure activity



Antipsychotic

Combats psychosis disorders



Anxiolytic/Anti-depressant

Combats anxiety and depression



Anti-tumoral/Anti-cancer

Combats tumor and cancer cells



Antioxidant

Combats free-radical damage



Anti-inflammatory

Combats inflammatory disorders

What are Cannabinoids?

In 2003, the US federal government obtained US Patent 6630507 titled, "Cannabinoids as antioxidants and neuroprotectants [2]." The patent claims:

“Cannabinoids have been found to have antioxidant properties...useful in the treatment...of [a] wide variety of...diseases, such as... inflammatory and autoimmune diseases...[and] to have...application as neuroprotectants...in the treatment of neurodegenerative diseases...”

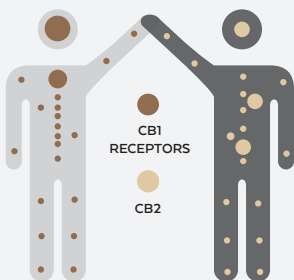


The **Endocannabinoid System** is perhaps the most important physiologic system involved in establishing and maintaining human health. Although the endocannabinoid system affects a wide variety of biological processes, experts believe that its overall function is to regulate **homeostasis**.

Functions of the Endocannabinoid System

Discovered in 1990, the endocannabinoid system (ECS) is located in the brain and throughout the central and peripheral nervous systems consisting of neuromodulatory lipids and their receptors.

APPETITE
ANALGESIA
AUTONOMIC NERVOUS
SYSTEM
ENERGY & BALANCE
IMMUNE FUNCTION
MEMORY
METABOLISM
SLEEP
STRESS RESPONSE
THERMOREGULATION



2. The United States of America as represented by the Department of Health and Human Services. 2003. Cannabinoids as antioxidants and neuroprotectants. U.S. Patent 6,630,507, filed April 21, 1999, and issued October 7, 2003.