

CBN - Cannabinol - Wat is CBN?

CBN, abbreviation of cannabinol, is a mild psychoactive cannabinoid with a relaxing, calming effect, especially in old cannabis plants.

It is mainly an oxidation product or “metabolite” (end product) of tetrahydrocannabinol (THC), which is formed when cannabis is exposed to oxygen or heat.

A high concentration of CBN often reflects dried old cannabis plants that are badly stored and exposed to oxygen or heat.

Since CBN produces a far lesser high than THC, recreational users of cannabis are advised to store their cannabis cool, dark and closed off from oxygen. For users who use cannabis oil for health reasons, it is advisable to store the oil cool in a dark place, to prevent further oxidation of the ingredients.

Cannabinol was already mentioned in the year 1896, but the structural formula was only precisely mapped out in 1940!!

Cannabinoids of the CBN type

The phytocannabinoids that belong to it

CBN type are:

Cannabinol - CBN

Cannabinolic acid - CBNA

Cannabivarin - CBV (CBN-C3)

Cannabinol-C4 - CBN-C4

Cannabinol-C2 - CBN-C2

Cannabiorcol - CBN-C1

Cannabinol methyl ether - CBNM

4-terpenyl-Cannabinolate

8-Hydroxycannabidiol - 8-OH-CBN.

8-Hydroxycannabidiolic acid -
8-OH-CBNA

CBN acts as a weak agonist of CB1 receptors, and has a higher affinity for CB2 receptors, but with a lower affinity in comparison to **THC**.

What does CBN consist of?

The cannabinolic acid molecule is made up of 49 atoms :

21 carbon atoms,
26 hydrogen atoms, and 2 oxygen atoms,
connected with each other,
through 51 atomic bonds.

These atomic bonds consist of :

25 non-hydrogen bonds
2 multiple bonds
4 rotatable bonds
12 aromatic bonds
3 six-membered rings
2 tenfold rings
2 aromatic hydroxyl
and 1 ether (aromatic)

General information and chemical data from CBN

The chemical formula of cannabinol is : ***C₂₁H₂₆O₂***

Other names: ***CBN /Cannabinolum / Cannabinolo***

The molecular mass is : ***310.19 g/mol***

The systematic name is :

6,6,9-Trimethyl-3-pentyl-benzo[c]chromen-1-ol

Natural values

Boiling point : 185 ° C (365 ° F)

Melting point : 77 ° C (171 ° F)

Insoluble in water.

Making health claims is unfortunately no longer allowed