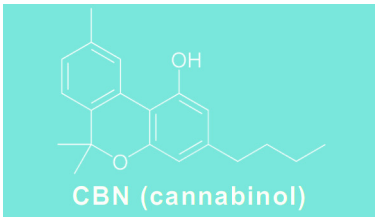
CBN Research



Abstract

CBN (cannabinol) research study on the effects of CBN relating to medical marijuana usage. CBN, along with the well-researched THC and CBD are cannabinoids (active chemicals) present at various concentrations within marijuana. Scientists began to speculate that less substantial cannabinoids such as CBN may play an important role yet to be discovered.

CBN Defined

CBN is short for cannabinol, a cannabinoid that is one of the active components of cannabis. These are the compounds that make marijuana's effect in the brain and body possible by reacting with the endocannabinoid system.

CBN tends to develop later on in the plant's flowering stage, similar to how THC and CBD (or rather their precursors) develop on the cannabis plant.

CBN Science

Marijuana leaves and flowers have a range of cannabinoids in acid form that need heat to be converted into an "active chemical" e.g. what gets you high. Most strains contain substantial amounts of THCA (tetrahydrocannabinol acid), the precursor of THC and CBDA (cannabidiolic acid), the precursor of the CBD. There will also be minor amounts of other cannabinoids, such as CBGA or CBCA.

Cannabinoids are converted to their most well-known types (THC, CBD, etc.) when heated. This is a process defined as decarboxylation.

Typically fresh marijuana contains little or no CBNA because cannabinoid CBN occurs in plant material that is aging. If not used marijuana decarboxylated over time begins to run down from TCL to CBN. If old marijuana is undecarboxylated, the inner THCA stays along with CBNA, accordingly.

The chemical change occurs even faster than light cannabis and exposed to air. Hence, it is recommended to keep marijuana in closed containers free of UV light.

CBN Effects

CBN gives users very little psychoactive activity. Comparing THC to CBN, it becomes a cannabinoid with his own signature effects on the endocannabinoid system.

What if CBN conversion to THC happens? The biggest difference between these two cannabinoids where they fall on the spectrum of psychoactive. THC provides a strong euphoric psychoactive effect which is the most well-known side effect of marijuana. On the contrary, hardly any psychoactive effects are attributed to CBN.

However, CBN may play a part in the “narcotic” effect produced by certain marijuana strains. In fact, it is known that cannabinoid increased softening properties. The consumption of 5 mg equivalent to 10 mg of CBN provided valium but with only 10% of the psychoactive effects valium.

CBN and THC share some similarities, however both are excellent to kill the pain and reduction of intraocular pressure in patients with glaucoma. This led researchers to study different effects to explore the medical potential of the cannabinoid CBN.

CBN Medical Use

The current state of medical marijuana research is considering CBN an excellent cannabinoid for study of medical applications found in laboratory experiments. CBN is very similar to it’s cousin chemical THC, some of the properties of THC shares (relief of pain, for example), but the differences CBN make it useful in other ways as well.

Still with any psychoactive effects, any people turn to avoid the unpleasant side effects of medical cannabis for anxiety.

CBN for Sleep?

Cannabis is known to be used in medical marijuana cases for sleep issues. It relieves in a similar way as Valium, but with psychoactive effects. Many indica marijuana strains are more sedative than their energetic sativa cousins. Higher amounts of CBD and CBN may contribute to their calming effect. However, these amounts are still in such low concentrations that research is still weak, the direct effect of CBN cannot be confirmed at this time.

CBN for Pain?

Over the years, researchers studying cannabinol and other cannabinoids have been investigating CBN for pain as potentially effective anti-inflammatory drug. Not just only CBN acting as pain receptor TRPV2 sensor, but researchers believe it may also act on CB2 receptor (which transmits pain).

CBN as an Antibacterial?

With resistant strains of bacteria to antibiotics, more and more doctors examined other ways to kill dangerous organisms. Cannabinoids such as cannabinol great promise for the treatment of antibiotic resistant strains of bacteria. In one study, THC, CBD, CBN and other cannabinoids antibiotic-resistant bacterial strains were effective in killing MRSA.

CBN for Glaucoma?

THC CBN has been found effective to reduce intraocular pressure in patients with glaucoma. While it is good enough to work on pressure after a dose reduction, greater efficiency after repeated dosing. The researchers found that ocular toxicity caused certain effects in relation to CBN. THC also cause this problem, which is why many doctors advise their patients to use marijuana to treat glaucoma particularly in the early stages of the disease.

CBN for Psoriasis?

Psoriasis is a painful condition, is the formation of skin cells (keratinocytes) and intense inflammation. Already proven to be an effective anti-inflammatory, CBN has also tested for its ability to slow the proliferation of skin cells in the affected area, that is to remedy the conditions surrounding the treatment, such as psoriasis.

CBN for Growth of Bone Tissue?

Scientists also look for a way cannabinol can help to accelerate healing of bone fractures. CBN shows the potential growth of bone tissue to be stimulated. To this end, the institution is derived from mesencyzal indirect causes of cells from the surrounding bone marrow. These cells have the ability to turn into bone and other tissue. While this does not mean that distributes medical marijuana joints if they had suffered a broken leg lists, it shows that CBN concentrate may be a potentially useful treatment.

The question is how to translate them into real-world operation. For now, scientists only know that cannabis has great potential CBN, they just need to learn to master the science of CBN use cases.

CBD vs CBN: What's the difference?

It is easily confused CBD and CBN for their names are similar, one like THC and CBD or CBN the difference creates both various medical benefits and user effects. To understand what these cannabinoids other hand, it is necessary to compare and contrast.

How's CBD and CBN similar?

- Both the active ingredient in marijuana (cannabinoids).
- Both are suitable for medical purposes.

Where else do CBD and CBN match up?

- Marijuana contains CBD since the beginning, displayed only when the oxidation CBN is to THC.
- In concentrated amounts, CBN is very sedating.
- Further scientific research is needed focused on CBD and CBN.
- CBD is widely used for medication in concentrated form, not CBN.

CBN Research Conclusions

Although the medical world is still far from treatments based on prescribing cannabinol for diseases and disorders, research on CBN (cannabinol) has never been so promising. Clearly THC and CBD have shown their place at the forefront of medical cannabis research in the medical community. Researchers begin to ask whether the therapeutic effects of marijuana can be stimulated by minor cannabinoids such as CBN.

For future medical scientists studying CBN in cannabis, it will be better in understanding of how marijuana works as a whole and how medical marijuana interacts with the endocannabinoid system.

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