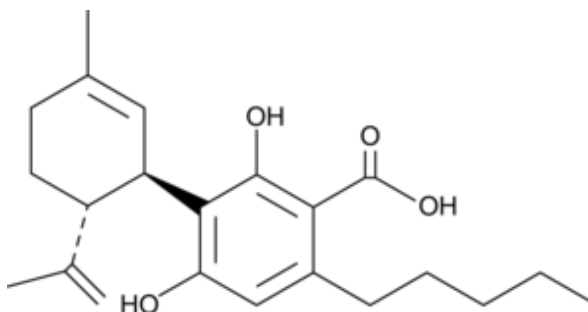




CBDa

What is CBDa?

CBDa stands for Cannabidiolic Acid, and it's the precursor molecule to CBD (cannabidiol) derived from the cannabis plant. In the raw hemp plant, CBDa is the most abundant cannabinoid—many people find the raw cannabis plant's lack of CBD surprising, but all cannabinoids first exist in an *acidic form*. We get THC and CBD through the decarboxylation (application of heat) of THCa and CBDa.



Unlike THC, CBD and CBDa do not have an affinity to CB1 or CB2 receptors. Instead, CBD and cannabidiolic acid have been observed to inhibit the COX enzymes associated with inflammation from injury and infection. CBDa has also been shown to interact with the 5-HT1a-serotonin receptors. Serotonin is a neurotransmitter involved in various functions, including regulating mood, appetite, nausea centers, and sleep.

CBDa interacts with the body's endocannabinoid system differently than CBD does. Studies have shown that CBDa interacts with specific cannabinoid receptors, offering potential benefits distinct from CBD's. For instance, research suggests that CBDa may be particularly effective in modulating serotonin receptors, which could help alleviate conditions like anxiety and nausea. Another unique aspect of CBDa is its impact on COX-2 enzymes, which play a role in inflammation and pain. By inhibiting these enzymes, CBDa has shown promise in reducing inflammatory conditions.

However, CBDa isn't just used to reduce inflammation. It has also been shown to treat nausea and anxiety. In this case, there's a strong similarity between CBDa and CBD. In fact, CBDa is more effective. It is more than a thousand times more effective than CBD in activating a serotonin receptor that reduces nausea and anxiety. This effect is even more in chemotherapy patients using ondansetron (OND) to treat nausea.

CBDa has up to 100 times the affinity for your 5-HT1A receptors than CBD. Since your 5-HT1A receptors govern mood, blood pressure, hormonal secretion, memory, pain transmission, and nausea, expect CBDa to be included in future research on many important medical conditions.

Effects and Benefits

Research has shown that CBDa is effective in the treatment of a variety of symptoms and conditions. Examples of conditions for which CBDa is particularly effective in providing symptom relief are:

- Anxiety & Stress Management
- PTSD
- Sleep disorders
- Chronic Pain
- Preventing Nausea & Vomiting
- Anti-inflammatory