

The Huge Potential of Minor Cannabinoids

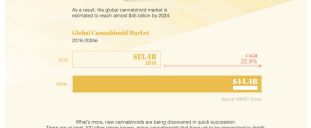
As hemp and marijuana become more mainstream, two minor cannabinoids, CBD and CBG, are a part of the glow—and it's not without reason.

Key Benefits of Health Benefits:

- CBD:** Anti-inflammatory, Antispasmodic, Antidepressant, Anxiolytic, Ant-nausea, Ant-emetic, Ant-anxiety.
- THC:** Appetite, Antidepressant, Anxiolytic, Ant-nausea, Ant-emetic, Ant-anxiety.

Global Cannabinoid Market: Growing steadily from the world's biggest economies.

CBG - Cannabigerol
THC - Tetrahydrocannabinol



What's more, new cannabinoids are being discovered in such abundance. There are almost 100 other lesser-known, minor cannabinoids that have yet to be researched in depth.

Minor cannabinoids have huge potential, and may be even more powerful than their major counterparts—but where do they come from?

Cannabinoids 101

Cannabinoids are chemical compounds found in the plant matter that form compounds found in the human endocannabinoid system.

The endocannabinoid system is involved in a variety of physiological processes:

- Appetite
- Pain sensation
- Mood
- Memory

It is made up of endocannabinoids, enzymes and cannabinoid receptors. These receptors are embedded in the plasma membrane of cells and they are primarily two known types—CB1 and CB2.

When cannabis is consumed, cannabinoids bind to CB1 and CB2 receptors in the brain and throughout the body.

Different cannabinoids have different effects depending on which receptors they bind to.

- CB1 Receptors:** are more widely found in the brain. They are associated with the "high" or "stoned" feeling.
- CB2 Receptors:** are concentrated in the immune system.

These cannabinoids bind to different quantities:

- Major Cannabinoids: High potency
- Minor Cannabinoids: Low potency

However, there is one cannabinoid that is considered to be truly unique.

CBG-A: The Mother of All Cannabinoids

Cannabigerol acid, or CBGA, is the precursor to other cannabinoid acids which include THCA, and CBDA.

CBG is regarded as a minor cannabinoid due to its low levels in cannabis plants, but it still has a major impact.

The cannabinoid acids, a wide range of terpenes and flavonoids in cannabis are working in concert.

CBG could be highly beneficial in treating a wide variety of diseases, but it's not there for the reason you think.

More minor cannabinoid discoveries could change healthcare as we know it.

The Potential of Minor Cannabinoids

Potential Medical Applications: The use of cannabinoid compounds, particularly CBG, can be a promising, and highly complementary, approach.

RAW

- CBGA:**
 - Neurological disorders
 - Glaucoma
- THCA:**
 - Anti-nausea
 - Anti-inflammatory
 - Antibiotic
 - Anticancer
 - Antibacterial
 - Antifungal
 - Antiparasitic
 - Antiviral
 - Antiproliferative
 - Antitumor
 - Antidiabetic
 - Antihypertensive
 - Anticoagulant
 - Antithrombotic
 - Anticoagulant
 - Antithrombotic
 - Anticoagulant
 - Antithrombotic
- CBDA:**
 - Chronic pain
 - Chronic inflammation
 - Chronic disease
 - Chronic pain
 - Chronic inflammation
 - Chronic disease

HEATED

- CBD:**
 - Neurological disorders
 - Glaucoma
- THC:**
 - Anti-nausea
 - Anti-inflammatory
 - Antibiotic
 - Anticancer
 - Antibacterial
 - Antifungal
 - Antiparasitic
 - Antiviral
 - Antiproliferative
 - Antitumor
 - Antidiabetic
 - Antihypertensive
 - Anticoagulant
 - Antithrombotic
 - Anticoagulant
 - Antithrombotic
 - Anticoagulant
 - Antithrombotic
- CBG:**
 - Neurological disorders
 - Glaucoma
- CBG-V:**
 - Neurological disorders
 - Glaucoma
- THC-V:**
 - Anti-nausea
 - Anti-inflammatory
 - Antibiotic
 - Anticancer
 - Antibacterial
 - Antifungal
 - Antiparasitic
 - Antiviral
 - Antiproliferative
 - Antitumor
 - Antidiabetic
 - Antihypertensive
 - Anticoagulant
 - Antithrombotic
 - Anticoagulant
 - Antithrombotic
- CBG-V:**
 - Neurological disorders
 - Glaucoma

AGED

- CBG:**
 - Neurological disorders
 - Glaucoma

The "Mother of All Cannabinoids" is considered to be the most powerful minor cannabinoid and has the most potential.

Given that preliminary research is already showing that cannabinoids have the ability to reduce cancer risk, making it a good idea to look for more powerful cannabinoids.

Charting the Future of Minor Cannabinoids

The rising interest in minor cannabinoid trials follows the success of the high-profile CBD drug Epidiolex, and its subsequent FDA approval.

With cannabinoids having been proven to be a viable and safe alternative to traditional medicine, there is a growing interest in the potential for minor cannabinoids to provide relief from various conditions.

Together, these exciting benefits are just the beginning for more sophisticated therapeutic applications.

PRESENTED BY:

Trait BioScience has the technology and resources required to realize large-scale production of minor cannabinoids.

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