

INOVO LIPOMED



CBD

References:

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LIPOSOMAL CBD

ENHANCED BIOAVAILABILITY



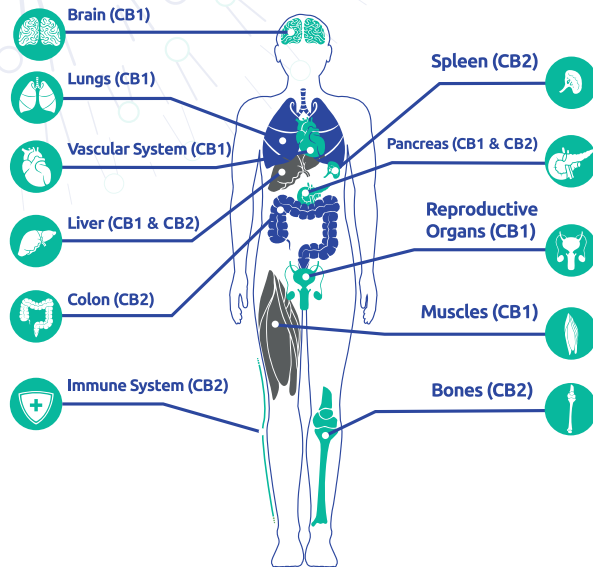
Inovo LipoMed CBD

What is CBD?

CBD-Cannabidiol is one of the most known phytocannabinoids which is found in Cannabis, and does not show any psychoactive activity such as THC.

Human Endocannabinoid System

The Human Endocannabinoid System (HEcS) is responsible for maintaining and controlling the body's homeostasis, or balanced regulation of every system in the body. It does that through two known receptors called CB1 & CB2.



Basic properties of CBD

- **Reduction of chemotherapy side effects:**
 - Anti-emetic action (interaction with the 5-HT₃ and 5-HT_{1A} receptors)
 - Pain relief (by reducing inflammation)
- **Anti-tumor activity:**
 - Apoptosis (mechanisms of cellular breathing or ER, acting on the Ca²⁺ channels, ...)
 - Autophagy
 - Prevention of angiogenesis (interfering with NF-κB/EGF/EGFR pathway)
 - Anti-metastatic mechanism (inactivation of Id-1 and Id-3 genes, which allow migration of cancer cells – metastasis)

Synergic effects with following chemotherapeutics:

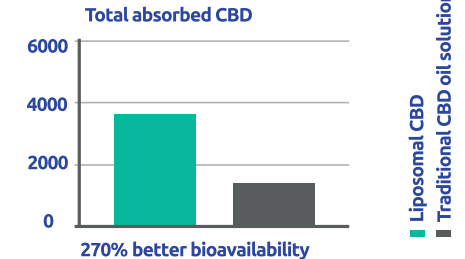
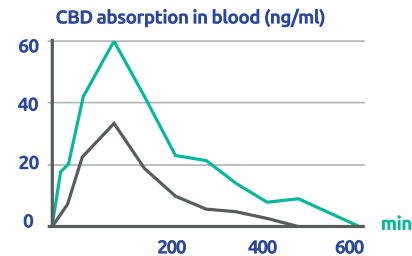
- **Paclitaxel:** CBD prevents the development of neuropathic pain
- **Bortezomib:** Potential synergic effect in treatment of Multiple myeloma

Liposomal CBD

Liposomes are small vesicles, made out of similar phospholipid structures as the cell membrane.

Superiorities:

- to enhance the absorption (about 2 - 5 times more)
- to prolong the blood circulation
- to make it act lighting quick
- to protect the active ingredients



Types of Inovo LipoMed CBD:

C1 : 3 mg/ml CBD (90 mg /30 ml)

C2 : 5 mg/ml CBD (150 mg /30 ml)

Dosing and use:

- Take 1 ml two times per day directly into the mouth or take it with a glass of water

Ingredients:

Cannabis sativa extract, lecithin (SOY), glycerol, water, xylitol, potassium sorbate, Pineapple aroma.

Possible side effects:

- Slight insomnia (can be avoided by taking evening dose earlier, round early afternoon)
- Mild leukocytopenia (might be caused by over 6 months consumption)
- Constipation

Allergy information:

Contains SOY