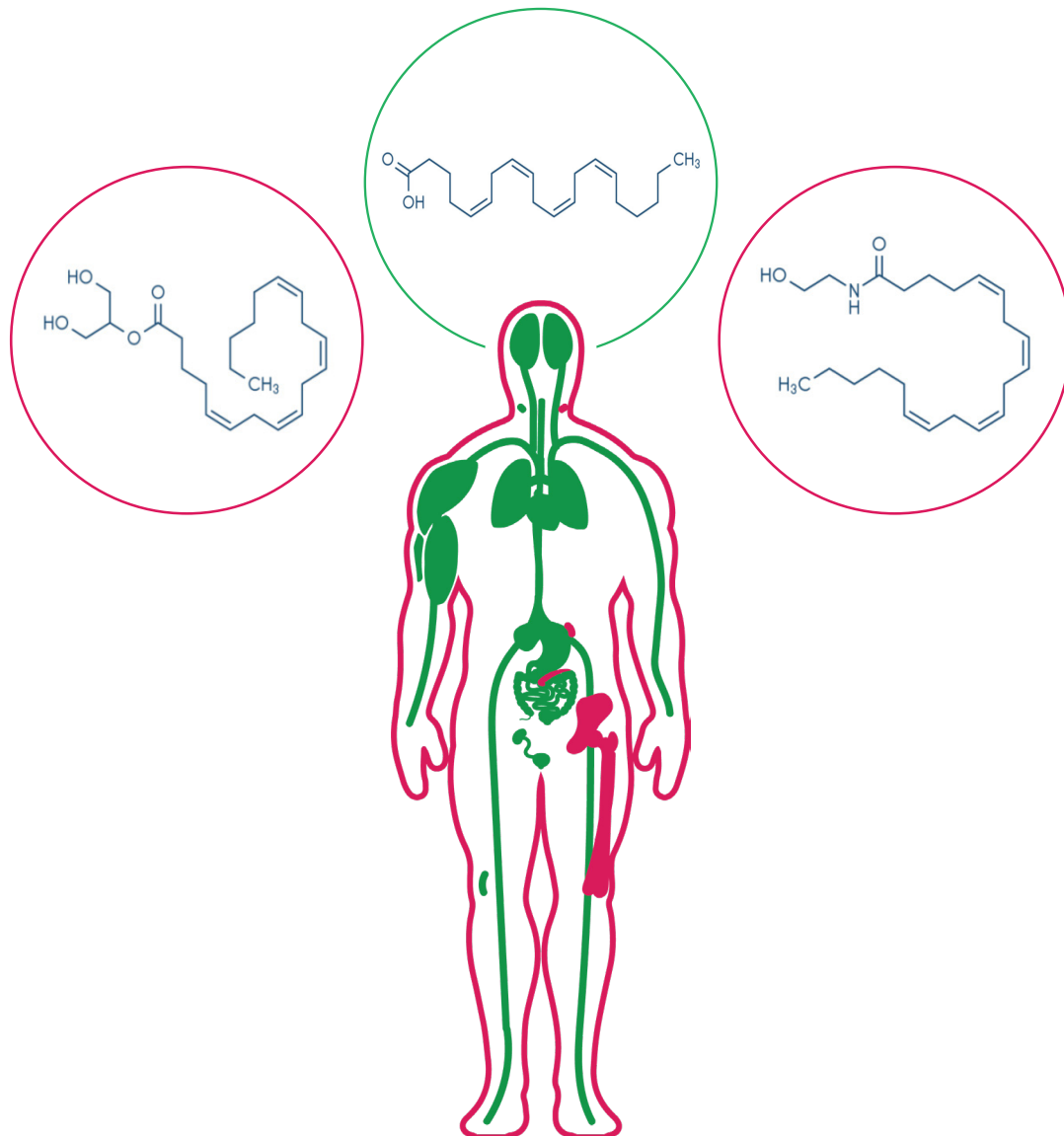




Research Spotlight

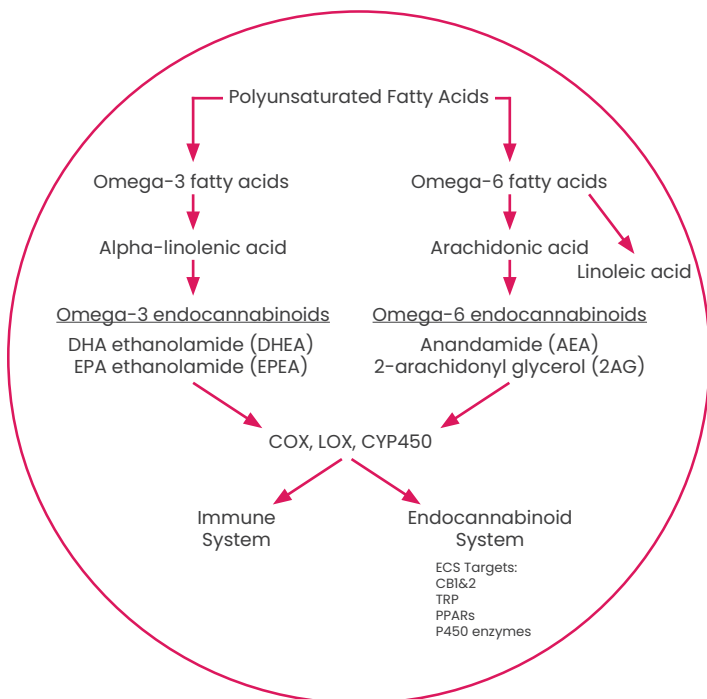
THE ENDOCANNABINOID SYSTEM & ITS REGULATION

BY POLYUNSATURATED FATTY ACIDS
AND FULL SPECTRUM HEMP OILS



The endocannabinoid system (ECS) is a major signaling network comprised of endogenous, lipid-based, physiological ligands called endocannabinoids.

DIETARY MODULATION OF ECS



Ratio of omega-3 to omega-6 fatty acids

Modern, highly processed diets:

1:8-1:20

Recommended for natural balance:

1:1-1:4

HEMP OIL derived from the cannabis plant (*Cannabis sativa* L.)

Rich source of lipid bioactive compounds

- Cannabinoids
- β -caryophyllene
- PUFAs (15-25% α -linolenic acid)

140+
cannabinoids

100+
terpenes

Composition dependent on:

Cannabis type

- Variety
- Age
- Plant tissue

Agricultural practices

- Planting density
- Fertilization
- Light
- Humidity
- Harvest
- Storage

OTHER DIETARY COMPONENTS THAT TARGET THE ECS

- Alkylamides, macamides, β -caryophyllene, kavalactones, N-acetylethanolamines, falcarinol, zinc, and magnesium