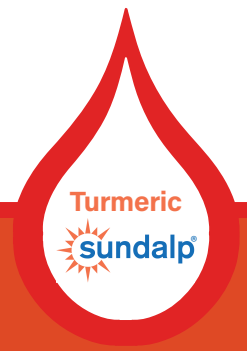


Turmeric Sundalp®



Sundalp® is a natural biomimetic Delivery Technology which promotes the solubilization of lipophilic active ingredients in water media. Sundalp® is a lipid-based blend of excipients mimicking micellar structures involved in the physiological absorption, therefore optimizing the uptake of the active nutrients in the body.



More than 200 components have been identified in turmeric, which include curcuminoids and other biologically active compounds. Non-curcuminoids such as turmerones have been extensively studied for their pharmacological activities, including anti-inflammatory, antioxidant, and anticancer. By taking food supplements containing isolated curcumin, the benefits derived from non-curcuminoids are overlooked. For this reason, we decided to use the full-spectrum turmeric extract in our formulation.



Appearance	Transparent dark orange oily solution
Active ingredients	Curcuminoids & turmerones
Recommended daily dose	2 x 500 mg oil (22 mg Curcuminoids)
Recommended application	Soft and hard capsules
MOQ	250 Kg
Composition	Medium-chain triglyceride, sunflower lecithin, <i>Curcuma longa</i> whole extract 20% curcuminoids, sunflower oil, caprylic acid, D-alpha-tocopherol
Product Code	PN21

Key features

- Full-spectrum turmeric extract
- Good absorption
- Natural formulation
- Enhanced benefits of the natural extract
- Swiss made

Exclusive use

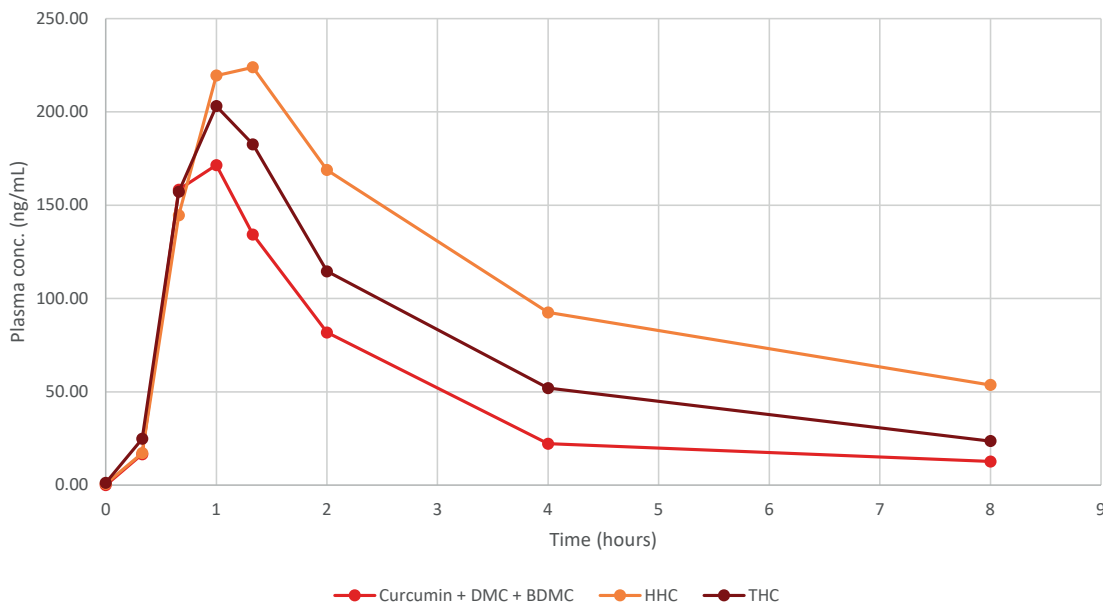


Sundalp® is a Registered Trademark and a patent-pending technology owned exclusively by Sferalp SA.

Pharmacokinetic preliminary study

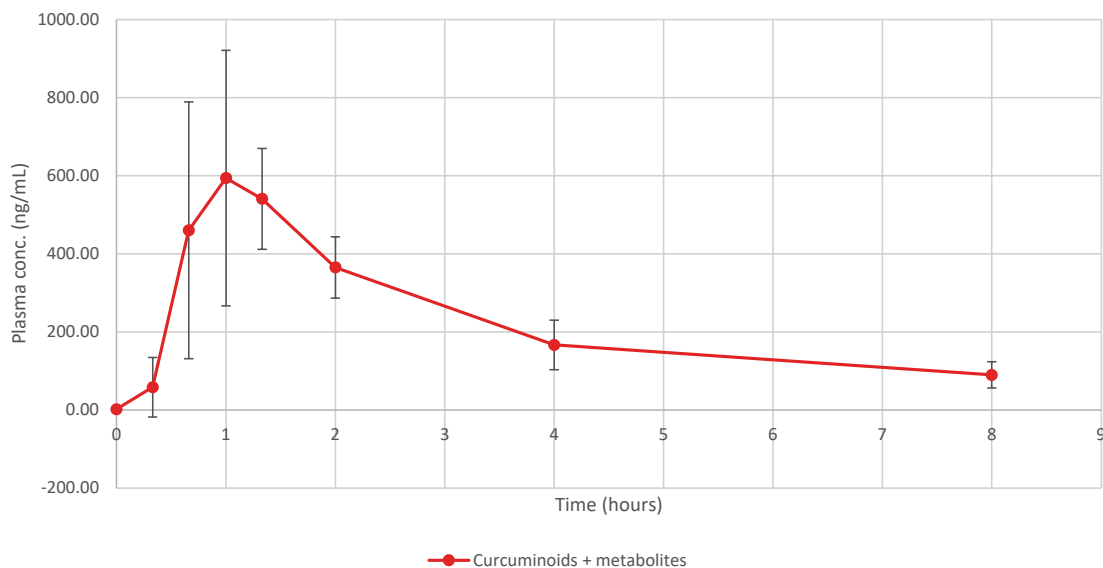
Proof of concept - pilot PK study: single dose (22 mg curcuminoids, 2 x 500 mg product) 4 subjects (2 males and 2 females)

Dose: 2 X 500 mg Turmeric Sundalp® softgels containing 22 mg curcuminoids



DMC:
demethoxycurcumin
BDMC:
bisdemethoxycurcumin
THC:
tetrahydrocurcumin
HHC:
hexahydrocurcumin

Sum of curcuminoids + metabolites
Dose: 2 x 500 mg Turmeric Sundalp® softgels containing 22 mg curcuminoids



Curcuminoids:
curcumin + DMC +
BDMC
Metabolites: HHC +
THC