

Olivattiva™



Introduction:

Oleuropein is a phyto-compound of the olive tree with high activity in different biological objectives with numerous properties demonstrated in pre-clinical, epidemiological and clinical studies. It is an active ingredient that is concentrated in the leaves and immature olives but maturation and pressing reduce the content by transforming it into hydroxytyrosol and elenolic acid.

Its complex mechanisms of cellular action do not depend only on the antioxidant effect. Interfering with transcription and gene manifestation, oleuropein modifies phosphorylation status, regulates calcium homeostasis and apoptosis, promotes cell longevity, controls inflammation, optimizes energy metabolism, stimulates the function of enzymes of the antioxidant defense system.

The use of oleuropein and its metabolites for the **prevention and treatment of Type II diabetes**

is protected by the European patent **EP-2285388B1** of the University of Florence. The **patented claim is available for formulations with OLIVATTIVA 40™ and OLIVATTIVA 70™.**

Applications:

- Metabolic syndrome and type II diabetes
- Cardiovascular prevention
- Neuro-degenerative pathologies
- Hepatic steatosis (NASH)

Dosages:

Recommended dose: 100-150 mg/day of oleuropein in a single or fractional administration.

Bibliography:

Clinical Study in overweight, middle-aged subjects. Effect on glycemia and insulin sensitivity of an olive extract titrated in oleuropein vs placebo. Reproduced by De Bock et al. 2013