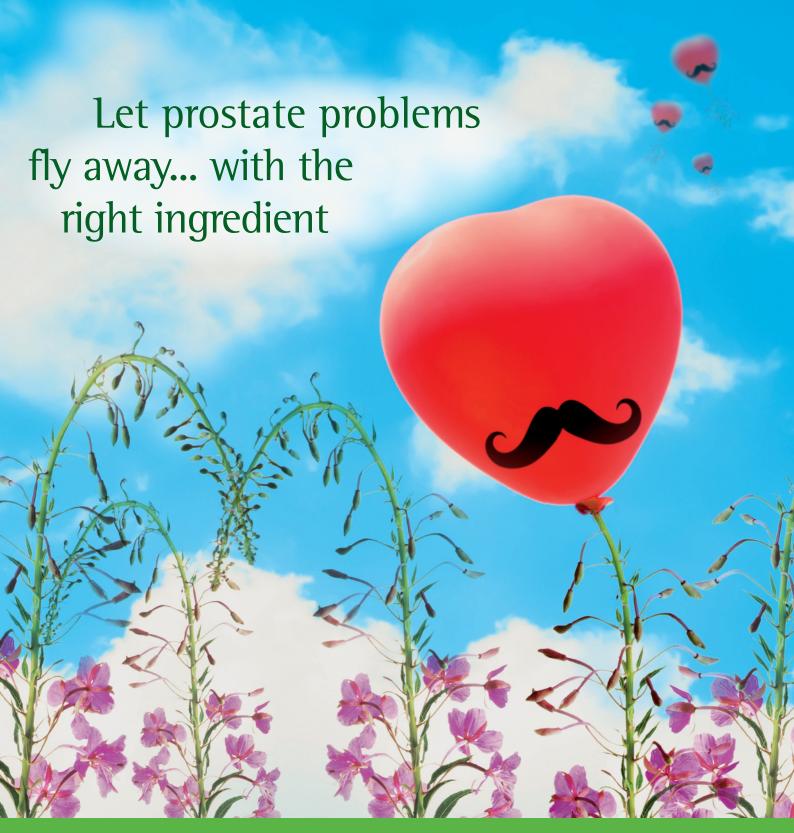


FOR MALE WELLNESS



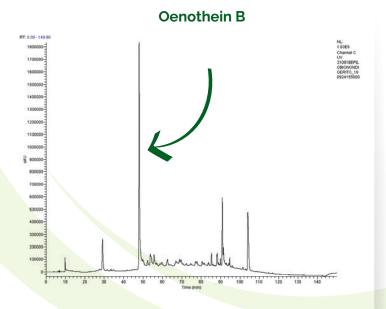
# ENOTprost® is a dry extract with a very rich phytocomplex containing more than 15% of Oenothein B

### PROSTATIC AILMENTS

Prostatic ailments are among the most common urologic problems in adult males. BPH (benign prostatic hyperplasia) is the third most frequent urologic diagnosis in men over 50, although prostatitis can also affect young people, especially sportsmen and cyclists. Prostatic ailments share inflammation and oxidative stress as risk factors and cause of chronicity.



Epilobium angustifolium L. (Onagraceae) is a well-known European plant traditionally used for prostatic ailments such as prostatitis and BPH. ENOTprost® is a dry extract with a very rich phytocomplex containing more than 15% of Oenothein B. It is a strong anti-inflammatory and antioxidant ingredient for innovative food supplements.



## The first Epilobium dry extract standardized to contain 15% Oenothein B

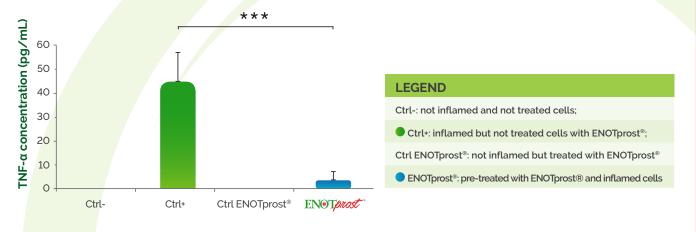
The metabolic profile of ENOTprost® was studied simulating the oro-gastro-duodenal digestion and the gastro-resistant oral administration (duodenal digestion). In this latter case, the phytocomplex variety and chemical profile was very similar to the native extract.

The digested extract still contained 20 compounds, among which there were organic acids, hydroxycinnamic acids and many flavonols. Moreover, miquelianin the major flavonoid glycoside that only characterizes the *E. angustifolium* species, was identified in the digested extract.

## ENOTprost® has proven strong antioxidant and anti-inflammatory activities

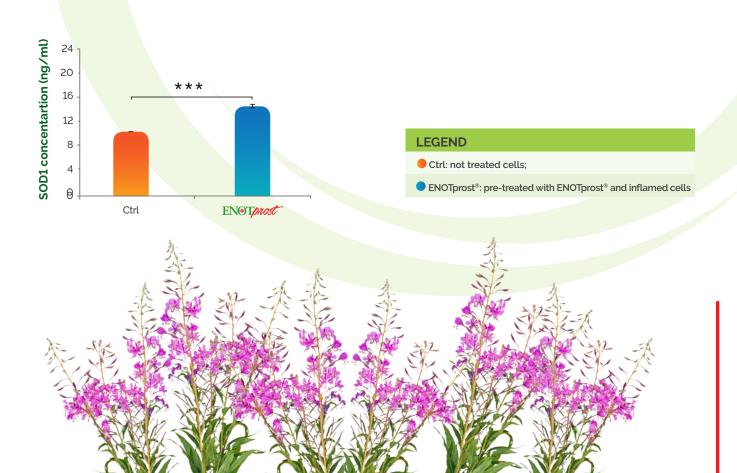
## ENOT prost HAS STRONG ANTI-INFLAMMATORY ACTIVITY

In vitro tests demonstrated that pre-treatment of prostatic cells with ENOTprost® followed by LPS-induced inflammation, **strongly reduces TNF-\alpha** production. TNF- $\alpha$  is one of the most important pro-inflammatory cytochines.



### ENOTORIO ENHANCES CELLULAR ANTIOXIDANT DEFENSE

*In vitro* test demonstrated that treatment of prostatic cells with ENOTprost® enhances cellular antioxidant defenses by **increasing the level of SOD1**. This enzyme is one of the most important endogenous antioxidant defense mechanisms.





ESTRATTI PIANTE OFFICINALI

### **Our Quality Your Safety**

VISIT OUR WEBSITE www.eposrl.com

#### THREE MAIN REASONS TO CHOOSE EPO EXTRACTS:



- Manufacturing process entirely made in Italy
- Full traceability from the field to the final packaging
- Production chain checked at every step
- Accurate quantification of bioactive compounds by sophisticated analytical methods
- Compliance with EU legislation on Food and Food Supplements



- Botanical species certified by DNA barcoding analysis
- No harmful solvent used in the manufacturing process



Pre-clinical studies proving the anti-inflammatory and antioxidant activities





EN@Tonost\* technical datasheet is available at www.eposrl.com

#### **REFERENCES:**

- Granica S et al. Phytochemistry, pharmacology and traditional uses of different Epilobium species (Onagraceae):
   A review. Journal of Ethnopharmacology, 156, 316–346, 2014

  Schepetkin IA et al. Therapeutic Potential of Polyphenols from Epilobium Angustifolium (Fireweed).
  - Phytother Res, 30, 1287-1297, 2016
  - 3. Vv.Aa. Anti-inflammatory and anti-oxidant activities of a new E. angustifolium dry extract unpublished data
    - 4. Paulis G. Inflammatory mechanisms and oxidative stress in prostatitis: the possible role of antioxidant therapy. Res Rep Urol, 10, 75-87, 2018