

FOR HEALTHY INFLAMMATORY RESPONSE



indena[®]
INDUSTRIA
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NATURALI

HEALTH - FOOD

CASPEROME[®]

BIOAVAILABLE BOSWELLIC ACIDS

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CASPEROME[®]

WHAT IS CASPEROME®?

CASPEROME® is a **purified mixture of triterpenoid acids from the gum resin of *Boswellia serrata***. Given the poor bioavailability of these compounds,¹ Indena has formulated the extract with Phytosome technology to **optimize their absorption**.

Boswellia extracts have been demonstrated to be effective in the management of various inflammatory response functions including those that occur in the **bowel, joints, bones, respiratory airways and in the brain**, with a mechanism of action that involves the **modulation of the natural inflammatory response** both acting on prostanoid synthesis (mPGE2S) and protein degradation (caspases), and transcription factors (Nf-κB).

SCIENTIFIC EVIDENCE

CASPEROME® is supported by **over 10 human studies**, including pharmacokinetics.

SPECIFICATIONS

CASPEROME® is standardized to contain: **≥25% of triterpenoid acids** by HPLC

RECOMMENDED USE AND DOSE

CASPEROME® is a yellow powder and may be utilized in a variety of supplement formulations.

Recommended dose: 250-500 mg/day

TRADEMARKS

CASPEROME® is a trademark of Indena S.p.A. and its logo and usage guidelines are available from Indena.

References

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WHAT MAKES CASPEROME® UNIQUE?

CASPEROME®, highly standardized in boswellic acids is formulated with Phytosome technology to achieve optimized absorption of the actives.

- CASPEROME® has been shown to support musculoskeletal health.² Furthermore, in combination with sodium hyaluronate, collagene and glucosamine, has been shown to be **supportive against elbow and tendon challenges**.^{3,4}
- CASPEROME® has been shown to support gut health, **significantly alleviating the most common gut discomforts**, compared to the best available treatments.¹⁶⁻¹⁸

Furthermore in literature is reported that:

- KBA and AKBA are **selective 5-lipoxygenase inhibitor** and then capable to **manage the inflammatory response function through leukotriene inhibition**.⁵ Recent findings have shifted the focus on **β-boswellic acid**, the major triterpenoid from the gum-resin, and its capability to **modulate the inflammatory response enzymes cathepsin (catG)⁶ and microsomal prostglandin E synthase (mPGES)-1,⁷ suggesting that β-boswellic acid** plays a major role while the whole bouquet of triterpenoid acids is important for the beneficial effects of boswellia;
- Boswellia extracts have been demonstrated to be useful for **bowel related inflammatory responses**,⁸⁻¹¹ and to **improve physical function in subjects with joint and tendon challenges**.¹²

The bioavailability of boswellic acids from CASPEROME® is greatly optimized both at plasma and tissue level.¹³⁻¹⁵

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