

RESPIRATORY SUPPORT
JOINT HEALTH
GUT HEALTH

EVANIUM

OPTISOLV® BOSWELLIA

OPTISOLV® Boswellia
is based on our next-generation
dual-coating technology and offers
significantly improved absorption
and controlled release

OPTISOLV® Boswellia

While frankincense (*Boswellia serrata*) is well established for its anti-inflammatory and gut-supporting properties, its effectiveness is often limited by poor water solubility, slow dissolution, and inconsistent absorption.

Leveraging the OPTISOLV® dual-coating technology, these limitations are systematically overcome. The result is a highly soluble, fast-dissolving, and formulation-friendly ingredient that enables maximum performance at a low dose.

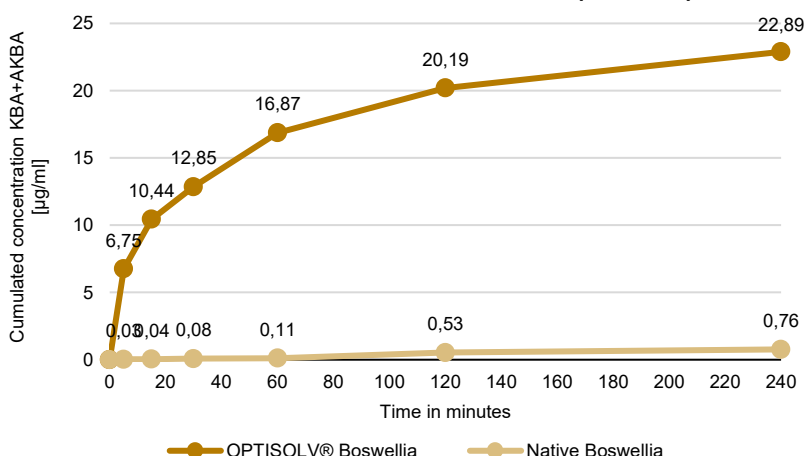
Ideal for next-generation formulations targeting **joint comfort and mobility, healthy aging, and gut health.**

APPLICATION & DOSAGE

OPTISOLV® Boswellia is supplied as a free-flowing powder, standardized to > 25 % boswellic acids.

The recommended dosage is **250-500 mg**. Ideal for use in traditional dosage forms such as **capsules or tablets**, as well as **liquids, stick packs, sachets, gummies, or chewing tablets**.

Dissolution in biorelevant intestinal fluid (FASSIF)



In-vitro dissolution of OPTISOLV® Boswellia compared to native boswellia extract at a concentration of 0.1 mg/ml KBA + AKBA. USP Apparatus II (Paddle), 50 rpm, 37 °C, 240 minutes in fasted state simulated intestinal fluid (FASSIF).

TECHNOLOGY

Our dual-coating technology OPTISOLV® features an inner cyclodextrin-based core and an outer phospholipid-based shell, stabilizing the ingredient in a crystal-free state.

Before OPTISOLV® brands had to choose between natural formulation and performance. Now brands can achieve high solubility and absorption without compromising on naturalness.

44x
Release

110x
Solubility

SCIENCE & QUALITY

Boswellic acids are potent compounds, offering a manifold of health benefits:

- Reducing the synthesis of pro-inflammatory cytokines through inhibition of NF-κB signaling ¹
- Reducing the production of inflammatory mediators through inhibition of 5-LOX ^{1,2}
- Improving joint health through blocking tissue-degrading enzymes ^{1,3-5}
- Modulation of gut microbiome composition towards health-beneficial species ⁶
- Improving epithelial barrier integrity through stabilization of tight junctions ⁷

ADVANTAGES

- ✓ Increased dissolution & controlled release
- ✓ All-natural composition
- ✓ Improved processability in production
- ✓ Innovative IP-protected technology
- ✓ Instant release for quick on-set

¹ Matho, K et al., *Inflammopharmacology*, 2025.

² Gilbert, N C et al., *Nature Chemical Biology*, 2020.

³ Safayhi, H et al., *The Journal of pharmacology and Experimental Therapeutics*, 1997.

⁴ Kosikowska, P. and Lesner, A. *Expert opinion on therapeutic patents*, 2013.

⁵ Reddy, G K et al., *Biochemical pharmacology*, 1989.

⁶ Suther, C et al., *Nutrients*, 2022.

⁷ Catanzaro, D et al., *PloS one*, 2015.



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