

WEIGHT MANAGEMENT
METABOLIC HEALTH
LONGEVITY

EVANIUM

OPTISOLV® BERBERINE

Vitafoods
Europe 
Startup Challenge

WINNER 2026
Most Innovative
Nutraceutical Ingredient

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

OPTISOLV® BERBERINE

Developed for modern health applications, OPTISOLV® Berberine unlocks the full potential of Berberis aristata with an innovative carrier system to ensure maximum efficacy, meeting the demands of innovative nutraceutical development.

Recommended for functional products in **weight management, healthy aging, blood sugar regulation, or metabolic health.**

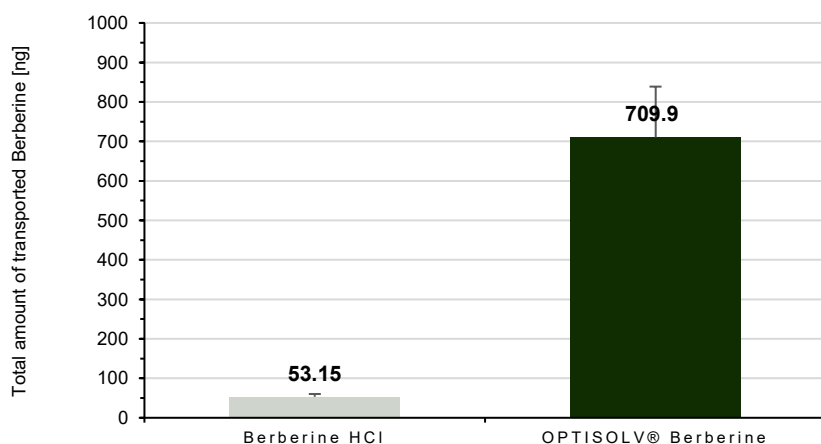
With this ingredient, it is possible to combine maximum absorption and controlled release with an all-natural composition, resulting in products that consumers can really benefit from.

APPLICATION & DOSAGE

OPTISOLV® Berberine comes as a free-flowing powder standardized to 30 % berberine.

The recommended dosage is **250-500 mg** OPTISOLV® Berberine once a day. Ideal for use in traditional dosage forms such as **capsules or tablets**. Optional dosage forms include liquids, stick packs, sachets, gummies, or chewing tablets.

Absorption in an in-vitro human intestinal model (Caco-2)



In-vitro berberine absorption of 2 mg/ml berberine formulation (equal to 500 mg capsule taken with 250 ml liquid) after 120 minutes in a Caco-2 intestinal model with pre-digestion in fasted state intestinal media (FASSIF V2).

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.

10x

Release

13.4x

Absorption

11x

Solubility

SCIENCE & QUALITY

By activating key regulators like AMPK, Berberine influences several key biological targets:

- Supports healthy blood glucose levels and insulin response¹
- Contributes to healthy lipid levels²
- Promotes weight management and metabolic regulation³
- Enhances GLP-1 secretion via AMPK and bitter receptor pathway⁴
- Modulation of gut microbiome composition (increased Proteobacteria and reduced Actinobacteria/Firmicutes)⁵

ADVANTAGES

- ✓ Increased absorption
- ✓ All-natural composition
- ✓ Low dose
- ✓ Innovative IP-protected technology
- ✓ Faster release for quick on-set
- ✓ Good gastrointestinal tolerability

¹ Yin, J. et al. (2008). Metabolism, 57(5), 712–717

² Kong, W. et al. (2004). Nature Medicine, 10, 1344–1351

³ Zhang, Y. et al. (2008). Journal of Clinical Endocrinology & Metabolism, 93(7), 2559–2565

⁴ Yu, Y. et al. (2009). Biochemical and Biophysical Research Communications, 379, 147–152, and Liu, Y. et al. (2015). Biochemical and Biophysical Research Communications, 463, 646–651

⁵ Zhang, Y et al., 2020, Nature Communications.

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