

# Ectoin

Cat. No. CIP-007

Lot. No. (See product label)



---

## Product Name

Ectoin

## INCI Name

Ectoin

## Purity

≥98%

## CAS Number

96702-03-3

## Specification

10 g

## Molecular Formula

C<sub>6</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>

## Product Description

Ectoin is a high-performance active ingredient derived from extremophilic microorganisms, renowned for its exceptional ability to protect biological molecules under extreme conditions. This naturally occurring molecule features a unique cyclic structure that forms strong hydrogen bonds with water, enhancing hydration and stability.

## Effect

Ectoin provides multifunctional protection and repair, including DNA and cellular defense, anti-inflammatory action to prevent skin irritation, skin barrier restoration, and hydration.

## Usage

Suitable for skincare products, medical aesthetics, and high-end cosmetics.

---

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**