

CAS 96702-03-3 Ectoine Powder Natural Osmoprotectant Moisturizing Properties

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: FIRSKY
- Model Number: 96702-03-3
- Minimum Order Quantity: 1KG
- Packaging Details: 1kg, 5kg, 15kg, 20kg, 25kg can be packed in different specifications. Packaging can be customized according to customer requirements. Aluminium foil bag and carton.
- Delivery Time: 7-15days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 2000T



Product Specification

- Product Name: Ectoine
- CAS NO: 96702-03-3
- Molecular Formula: $C_6H_{10}N_2O_2$
- Molecular Weight: 142.16
- Highlight: 96702-03-3 Ectoine Powder , Ectoine Powder Natural Osmoprotectant



Product Description

Ectoine CAS 96702-03-3

Product Name:	Ectoine
Synonyms:	ECTOINE;Pyrostatine B;(4S)-2-Methyl-1,4,5,6-tetrahydro-4-pyrimidinecarboxylic acid;4-Pyrimidinecarboxylic acid, 3,4,5,6-tetrahydro-2-methyl-, (4S)-;Ectoine sodium salt monohydrate;2-METHYL-1,4,5,6-TETRAHYDROPYRIMIDINE-4-CARBOXYLIC ACID;ectoine zwitterion;ECTOIN;MFCD03419286;RonaCare
CAS NO:	96702-03-3
EINECS:	431-910-1
Molecular Formula:	C ₆ H ₁₀ N ₂ O ₂
Molecular Weight:	142.16
Melting Point:	~280°
Boiling Point:	381.5±35.0 °C(Predicted)
Density:	1.37
Appearance:	White powder
Storage:	Sealed in dry,2-8°C
Solubility:	methanol: 20 mg/mL, clear, colorless

Description

Ectoine, CAS 96702-03-3: Nature's Protective Molecule for Skin and Cells

Prepare to explore the fascinating world of Ectoine, CAS 96702-03-3, a remarkable molecule with versatile properties that enhance skin health and protect cells from environmental stress.

Natural Moisturization: Ectoine is a natural osmoprotectant, known for its exceptional moisturizing properties. It helps skin retain moisture, reducing dryness and promoting a soft, supple complexion.

Skin Barrier Support: Ectoine reinforces the skin's protective barrier, shielding it from external factors like UV radiation and pollution. This barrier enhancement can lead to healthier, more resilient skin.

Anti-Inflammatory: Ectoine has anti-inflammatory properties that can soothe irritated or sensitive skin. It aids in calming redness and alleviating discomfort.

Cellular Protection: Beyond skincare, Ectoine is a potent protector of cells. It shields them from various stresses, including UV radiation, high salinity, and extreme temperatures, helping maintain cellular integrity.

Diverse Applications: Ectoine's versatility extends to fields beyond skincare, including biotechnology and pharmaceuticals, where it is used for its stabilizing and protective effects.

Scientific Innovation: Researchers continue to explore Ectoine's potential applications, making it a molecule of significant interest in the scientific community.

Elevate Your Skin and Cellular Health: Understanding the significance and potential of Ectoine, CAS 96702-03-3, underscores its importance in the fields of skincare, cellular biology, and biotechnology.

Whether you're a skincare enthusiast seeking effective moisturization and protection, a scientist investigating cellular resilience, or someone passionate about harnessing the power of nature's molecules, unveiling the potential of Ectoine offers profound insights into its role in enhancing skin health and cellular protection.

Your journey to discover the significance of this molecule, from its moisturizing benefits to its applications in biotechnology, begins here. Delve into its uses to gain a deeper understanding of its pivotal place in advancing scientific knowledge and promoting human well-being. Unleash the full potential of your knowledge and embrace the beauty of science and nature working in harmony.

Application

Ectoine, with the CAS number 96702-03-3, is a natural compound produced by certain microorganisms, primarily halophilic and extremophilic bacteria. It is known as a compatible solute and has gained attention for its ability to help organisms survive in extreme environments. Here are some reported usages and applications of ectoine:

Osmoprotection: Ectoine functions as an osmoprotectant, meaning it helps protect cells from osmotic stress caused by high salt concentrations, dehydration, or other environmental factors. It helps maintain cellular hydration and stability by counteracting the effects of osmotic stress.

Skin care: Ectoine is used in the cosmetic industry for its hydrating and anti-aging properties. It is believed to help improve skin moisture retention, protect against environmental stressors, and reduce the signs of aging such as wrinkles and fine lines.

Ectoine is often found in skincare products like creams, lotions, and serums.

Pharmaceuticals: Ectoine has potential pharmaceutical applications due to its protective effects on cells and proteins. It has been studied for its ability to stabilize proteins, enhance the stability of pharmaceutical formulations, and improve the efficacy of drug delivery systems.

Biotechnology: Ectoine is used in biotechnological applications for its stabilizing properties. It can help protect enzymes, proteins, and other biomolecules from denaturation and degradation, thereby improving their stability and activity.

Agriculture: Ectoine has been explored for its potential use in crop protection and agriculture. It may help plants tolerate environmental stressors such as drought, high salinity, and temperature extremes, thus improving crop yields and resilience. It's worth noting that while ectoine has shown promise in various applications, further research is ongoing to explore its full potential and optimize its use. If you are considering using ectoine-based products for skincare or other purposes, it is recommended to look for reputable brands and consult product labels or seek advice from dermatologists or skincare professionals.

Advantage

1.Firsky (Wuhan) continues to make efforts to steadily offer clients high-quality items. We have put in place a reliable internal quality management system and are always working to increase quality, decrease deviation, and eliminate waste.

2. If you have any questions, don't hesitate to ask them; we'll get back to you within 48 hours.

3.After getting the items, if you have any questions, don't hesitate to get in touch with us. We promise to compensate you in full

if we were the source of the loss.

FAQ

How do I make a purchase?

We advise that you speak with our customer support personnel before placing an order because the market price of chemical raw materials fluctuates often

1. Please let me know which products you require and how many of each you need.
2. We will provide you with the best pricing right away, including delivery charges.
3. If the price seems reasonable to you, you can select a payment option to complete the transaction.
4. After we confirm your payment, your shipment will be wrapped and dispatched within 24 hours.
5. Two days after the package is sent out, a tracking number and packing photo will be provided.
6. We wish you a wonderful shopping experience and encourage you to get in touch with us if there are any problems.

Which delivery alternatives are available?

All Fushikai orders are shipped from Japan using FEDEX, UPS, DHL, Airmail, Surface Mail, EMS (Japan Post), and Economical Air (SAL). Depending on the various nations, we will select the best choice. Once payment has been received, the approximate delivery time is 5-7 working days.

How are your products verified?

We use our own quality control team to inspect each batch of products. Only at least 98% of pharmaceutical raw materials are used in the synthesis process, rather than cheap sources that are replicated using discarded chemical ingredients. Multiple tests are conducted using cutting-edge equipment to ensure perfect accuracy in determining the potency, purity and quality of ingredients and finished products.

Does a discount apply to large orders?

After your order reaches a particular value, there is a large discount. Several seasonal sales and promotions are available from us.

What forms of payment do you accept?

We accept payments with Western Union, Bitcoin, e-transfers, bank transfers, MoneyGram, and Alipay in addition to all other forms of cryptocurrency.

Do you deliver to parcel lockers at PO boxes?

YES, we could deliver to parcel lockers at PO boxes!

Can I get a tracking number from you?

We will provide you the tracking number and some images of the items you ordered as soon as the shipment is planned. For the most up-to-date tracking updates, please go to our preferred site.



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