

## Cosmetic Anti-Aging Raw Materials Ectoine 96702-03-3 Moisturizing Soothing

Our Product Introduction

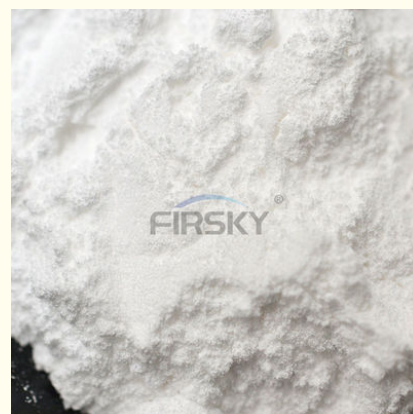
### Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-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
- Purity: 99%
- Shelf Life: 2 Years



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**Product Description****Specifications:**

|                    |   |
|--------------------|---|
| 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: | C6H10N2O2   |
| 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, is a key bioprotective molecule produced by a variety of bacteria under stress conditions. It plays a vital role in maintaining cell integrity and stability by protecting cells from various environmental stresses. Below is a detailed product description of ectoine, a remarkable molecule with a wide range of applications:

Ectoine, also known as 1,4-diamino-2-butanone, is a colorless to white powder with a molecular weight of 159.227. Soluble in water and polar organic solvents, has good stability under ambient conditions.

Ectoine acts as a bioprotectant molecule by stabilizing cell membranes and preventing protein denaturation. It helps cells maintain their structure and function under various stress conditions, such as exposure to high temperatures, low pH, and osmotic pressure. Ectoine also acts as a chelating agent, scavenging free radicals and protecting cells from oxidative damage.

We use advanced manufacturing technology to specialize in the production of high-purity ectoine CAS 96702-03-3. Our products have good solubility and bioavailability and are suitable for use in a variety of pharmaceutical, cosmetic and nutraceutical formulations.

**Application:**

Ectoine, CAS 96702-03-3, is a key bioprotective molecule produced by a variety of bacteria under stress conditions. It plays a vital role in maintaining cell integrity and stability by protecting cells from various environmental stresses. Here are some potential applications of ectoine:

1. Cosmetics and personal care products: Ectoine can be used as a stabilizer and moisturizer in cosmetics and personal care products. It helps maintain skin's texture and appearance by enhancing water-holding capacity and protecting against environmental stressors. Products containing ectoine can improve skin's hydration, elasticity, and overall appearance.

2. Pharmaceuticals: Ectoine has anti-inflammatory and antioxidant properties that can be exploited in pharmaceutical applications. It could be used to develop drugs or adjuvants to treat various inflammatory diseases, such as arthritis, psoriasis and ulcerative colitis. Ectoine is also used to prevent damage caused by radiation and to treat burns and other skin injuries.

3. Biotechnology: Ectoine has a variety of biotechnology applications, including the production of recombinant proteins and as a cell culture media supplement. It can help maintain cell cultures under stressful conditions, such as those encountered during batch or high-density cultures. Ectoine can also be used in biofilm control to prevent microbial colonization of various surfaces.

4. Agriculture and animal health: Ectoine can improve the stress tolerance of plants and enhance their resistance to various abiotic stresses, such as drought, salinity and extreme temperatures. It can be used in agriculture to improve crop yield and quality under stressful growing conditions. Ectoine may also have applications in animal health, helping livestock stay healthy and productive under stressful conditions.

**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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