



Ectoin Plant Extract Powder CAS 96702-03-3 Ectoine Raw Materials

Our Product Introduction

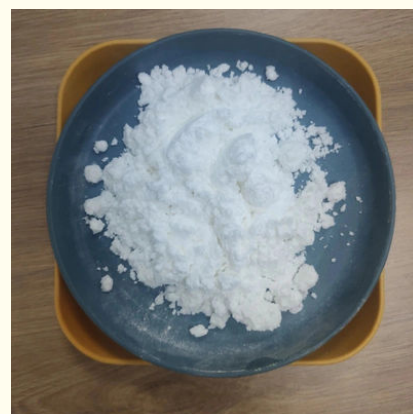
Basic Information

- Place of Origin: Guangzhou, China
- Brand Name: Xinzhou
- Certification: COA,GMP,CQC,SGS
- Model Number: 73-03-0
- Minimum Order Quantity: 1kg
- Price: Negotiate
- Packaging Details: 1kg/Aluminum foil bag
- Delivery Time: 1-3 work days
- Payment Terms: T/T advance, Bitcoin ,western union,Bank transfer
- Supply Ability: 500kg per week



Product Specification

- Model NO.: Ectoine
- CAS: 96702-03-3
- Molecular Formula: C₆H₁₀N₂O₂
- Purity: 99%
- Appearance: Powder
- Molecular Weight: 142.16
- Storage: 2-8°C
- Melting Point: ~280°
- Boiling Point: 381.5±35.0 °C(Predicted)
- Desity: 1.37
- Highlight: Ectoin Plant Extract Powder,
Plant Extract Powder CAS 96702-03-3,
96702-03-3 Ectoine Raw Materials



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Product Description

Ectoin CAS 96702-03-3 Ectoine Plant Extract Powder Raw Materials

Ectoine is a naturally occurring organic compound that belongs to the class of compatible solutes known as extremolytes. It was first discovered in extremophilic microorganisms, such as halophilic and thermophilic bacteria, where it serves as a protective molecule against high osmotic stress and other adverse environmental conditions.

Chemically, ectoine is a cyclic amino acid derivative known as 1,4,5,6-tetrahydro-2-methyl-4-pyrimidinecarboxylic acid. Its unique structure enables it to stabilize proteins, enzymes, and cellular membranes under extreme conditions, making it highly valuable in various biotechnological and industrial applications.

Ectoine acts as a compatible solute by maintaining cellular osmotic balance and protecting cellular structures from damage caused by osmotic stress. It does so by counteracting the effects of high salt concentrations or other environmental stresses, such as high temperatures or low water availability. Ectoine achieves this by its ability to accumulate inside cells and counterbalance the osmotic forces exerted on the cell membrane.

Apart from its osmoprotective properties, ectoine also exhibits remarkable biophysical properties that make it useful in diverse applications. For instance, its water-retaining capacity and ability to form hydrogen bonds contribute to its moisturizing and hydrating effects, making it a sought-after ingredient in skincare and cosmetic products.

Furthermore, ectoine has been studied for its potential benefits in various fields, including medicine and agriculture. In medicine, ectoine's protective properties have led to research on its potential use in wound healing, dermatology, and the treatment of inflammatory diseases. In agriculture, ectoine is being explored for its ability to enhance plant tolerance to drought and salinity, thereby improving crop yield and resilience. Commercially, ectoine is produced through biotechnological processes using genetically engineered microorganisms or fermentation of natural producers. The demand for ectoine has been steadily increasing due to its wide-ranging applications and its reputation as a natural and environmentally friendly ingredient.

In summary, ectoine is a remarkable naturally occurring compound that plays a crucial role in cellular protection against extreme environmental conditions. Its unique properties make it applicable in various industries, including skincare, medicine, and agriculture. As research continues to uncover its potential benefits, ectoine is poised to become an even more significant player in the field of biotechnology and industrial applications.

Product Name	Ectoine
Purity	≥99%
Colour	White to Off-white
CAS NO.	96702-03-3
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
Storage	2-8°C

Detailed Photos

Xingtai Xinzhou Technology Co., Ltd.





I Company Profile

Xingtai Xinzhou Technology Co., Ltd.

Xingtai Xinzhou Technology Co., LTD.

Xingtai Xinzhou Technology Co., Ltd. was established in 2022 with strong research and development capabilities and superb synthesis technology, as well as advanced quality control measures. Effectively promote the joint venture and cooperation with the major enterprises, manufacturers, with the idea of industrial development to serve the society and the majority of users. We always adhere to the market demand as the orientation, constantly synthesizing new high-tech chemical products and medical intermediates, mainly exported to the United States, India, South Africa, Nigeria and other countries and regions, has a wealth of export experience, to ensure transportation safety, can let each customer as soon as possible to safely receive the goods.





I Our Advantages

Xingtai Xinzhou Technology Co., Ltd.



Rich Experience

Our company is a professional production leading factory in China in pharmaceutical area of many years.



Top Quality

High quality guaranteed, once any problem is found, the package would be reshipped for you.



Fast Delivery

We have in stock, so we can delivery quickly once payment is received.



Security Shipping

We guranteed 100% safe shipment by special lines to different cities, and double custom clearance door to door.



Superior Service

We will give you warm after-sale service,if any question we will reply you within 8 hours.Sample test and OEM/ODM available.



Competitive Prices

Factory directly supply to clients,lower prices,more competitiveness.

I Delivery Record

Xingtai Xinzhou Technology Co., Ltd.

CG3815994660E 成功签收 (12 天)	德国 DHL Parcel → 法国 La Poste (Colissimo)	2023-04-01 11:03 France, The shipment has been successfully delivered
签收时间: 2023-04-01		
CG3816058950E 成功签收 (12 天)	德国 DHL Parcel → 法国 La Poste (Colissimo)	2023-03-31 11:47 France, The shipment has been successfully delivered
签收时间: 2023-03-31		
CG3816623140E 成功签收 (8 天)	德国 DHL Parcel → 法国 La Poste (Colissimo)	2023-03-30 08:51 France, The shipment has been successfully delivered
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3305227791506 (4 天)	新西兰 New Zealand Post → 未知	2023-03-29 09:53 Wellington-Upper Hutt Depot, Your parcel has been delivered by your local based at Wellington-Upper Hutt Depot. Any questions? Please contact us
03-29		
3305228105807 (6 天)	新西兰 New Zealand Post → 未知	2023-03-23 16:47 AOC Depot, Your parcel has been delivered by your local courier driver bas Depot. Any questions? Please contact us
03-23		
3305228204357 (6 天)	新西兰 New Zealand Post → 未知	2023-03-27 12:09 AKL North Shore Fleet, Your parcel has been delivered by your local courne AKL North Shore Fleet and signed for by "ACPD48 ATL". Any questions? Please contact us
03-27		
XL961943966GB 成功签收 (7 天)	英国 Royal Mail → 英国	2023-04-04 09:33 Abergavenny DO, Delivered by
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XL962237602GB 成功签收 (7 天)	英国 Royal Mail → 英国	2023-04-05 11:45 Manvers DO, Delivered by
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I Shipping

Xingtai Xinzhou Technology Co., Ltd.



I Payment

Xingtai Xinzhou Technology Co., Ltd.



I Certificate

Xingtai Xinzhou Technology Co., Ltd.

xinzhou CERTIFICATE DISPLAY

CHINA AND IS THE FIRST-CLASS CHEMICAL DEALER IN THE WORLD.



FAQ

Q1: Are you a manufacturer or trading company?

We are manufacturer, welcome to visit us.

Q2: How to confirm the product quality before placing the order?

Sample could be provided, and we have the inspection report issued by an authoritative third-party testing agency.

Q3: What's your MOQ?

It depends on different products, we can accept sample order or provide sample for your test.

Q4: How about delivery time / method?

We usually ship within 1-3 working days after your payment. We can ship by door-to-door courier, air, sea, you also can choose your forwarder shipping agent.

Q5: Do you provide after sales service?

provide 24*7 service. We can talk by email, skype, whatsapp, phone or whatever you feel convenient.

Q6: How to solve the after-sale disputes?

We accept Changing or Refunding service if any quality problem.



Xingtai Xinzhou Technology Co., Ltd



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