

L-Ergothioneine CAS 497-30-3 99% Purity Natural Antioxidant White Powder

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-CAS 497-30-3
- 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: 7-15 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 2000T



Product Specification

- Shelf Life: 2 Years
- Product Name: L-(+)-Ergothioneine
- CAS NO: 497-30-3
- Purity: 99%



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Product Description

Product Description

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| Product Name: | L-(+)-Ergothioneine |
| Synonyms: | ergothioneine, L-Ergothioneine, (2S)-3-(2-Thioxo-2,3-dihydro-1H-imidazo-4-yl)-2-(trimethylammonio)propanoate, [(S)-1-carboxy-2-(2-thioxo-2,3-dihydro-1H-imidazol-4-yl)-ethyl-trimethyl-ammonium, betaine, Thiolhistidine betaine, Sympectothion S)-a-Carboxy-2,3-dihydro-N.N.N-trimethyl-2-thioxo-1H-imidazole-4-ethanaminium Hydroxide Inner Salt, L-(+)-Ergothioneine, Thiotane, 2-thiol-L-histidine-betaine |
| CAS: | 497-30-3 |
| MF: | C ₉ H ₁₅ N ₃ O ₂ S |
| MW: | 229.299 |
| solubility | Freely soluble in water and in glacial acetic acid, practically insoluble in acetone and in ethanol (96 per cent). |
| form | Crystalline Powder |

Description

L-(+)-Ergothioneine (CAS 497-30-3), a natural and powerful compound with numerous potential health benefits. Derived from the amino acid histidine, this remarkable thioether exhibits remarkable antioxidant properties, making it an ideal choice for those seeking cellular protection and overall well-being.

L-(+)-Ergothioneine acts as a potent antioxidant, effectively combating oxidative stress caused by harmful free radicals. By neutralizing these free radicals, it helps safeguard cells from damage and inflammation, promoting a healthy and balanced physiological state.

With its ability to accumulate in vital tissues, including the liver, kidneys, and red blood cells, L-(+)-Ergothioneine provides targeted cellular protection. This ensures that these vital organs and systems can function optimally, even in the face of challenging oxidative conditions.

Furthermore, this remarkable compound has garnered attention for its potential benefits in promoting skin health. By shielding the skin from UV-induced damage and oxidative stress, L-(+)-Ergothioneine may help delay the signs of aging and contribute to a vibrant and youthful complexion.

Research also suggests that L-(+)-Ergothioneine may hold neuroprotective properties, potentially safeguarding brain cells from oxidative damage and inflammation. Such effects may prove beneficial in reducing the risk of neurodegenerative diseases, such as Alzheimer's and Parkinson's disease.

Additionally, L-(+)-Ergothioneine displays promising anti-inflammatory effects, assisting in modulating the immune response and reducing the production of pro-inflammatory molecules. This feature may be particularly advantageous for individuals with inflammatory conditions, promoting greater comfort and overall well-being. Incorporating L-(+)-Ergothioneine into your wellness routine may unlock a multitude of benefits, thanks to its exceptional antioxidant activity and cellular protective properties. With its natural origin and scientifically supported efficacy, L-(+)-Ergothioneine (CAS 497-30-3) stands as a remarkable choice for those seeking to enhance their health and vitality.

Application

L-(+)-Ergothioneine (also known as ergothioneine or ERGO) is a naturally occurring compound that belongs to a class of molecules called thioethers. It is derived from the amino acid histidine and is primarily obtained from dietary sources such as mushrooms, beans, and certain types of meat.

Ergothioneine has gained attention due to its potential health benefits and antioxidant properties. Here are some of its usages:

Antioxidant: Ergothioneine is a potent antioxidant that helps protect cells from oxidative stress caused by free radicals. It can scavenge and neutralize free radicals, reducing the risk of cellular damage and inflammation.

Cellular protection: Ergothioneine can accumulate in various tissues, especially those exposed to high levels of oxidative stress, such as the liver, kidneys, and red blood cells. It acts as a cellular protectant, shielding cells from oxidative damage and supporting their normal function.

Skin health: Ergothioneine has been studied for its potential benefits in promoting skin health. It is believed to protect the skin from UV-induced damage and oxidative stress, which can contribute to premature aging and skin disorders. Ergothioneine-containing skincare products are available to provide antioxidant support to the skin.

Neuroprotection: Some research suggests that ergothioneine may have neuroprotective properties. It may help protect brain cells from oxidative damage and inflammation, potentially reducing the risk of neurodegenerative diseases such as Alzheimer's and Parkinson's disease. However, further studies are needed to fully understand its effects on the brain.

Anti-inflammatory effects: Ergothioneine has been found to exhibit anti-inflammatory properties. It may help modulate the immune response and reduce the production of pro-inflammatory molecules, thereby potentially benefiting individuals with inflammatory conditions.

It's worth noting that while ergothioneine holds promise in various areas of health, more research is needed to fully understand its mechanisms of action and therapeutic potential. As with any dietary supplement or compound, it's important to consult with a healthcare professional before using ergothioneine for specific health purposes. They can provide guidance based on your individual circumstances and health needs.

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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