

## 4-Aminobutanoic Acid Powder CAS 56-12-2 Gamma-Aminobutyric Acid white powder

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-56-12-2
- 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: 4-Aminobutyric Acid
- CAS NO: 56-12-2
- Purity: 99%
- Shelf Life: 2 Years



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

|                    |   |
|--------------------|---|
| Product Name:      | 4-Aminobutyric acid   |
| Synonyms:          | 4-Aminobutanoic acid;MFCD00008226;EINECS 200-258-6;g-Aminobutyric acid;g-Amino-n-butyric Acid;GABA;Butanoic acid, 4-amino-;γ-Amino-n-butyric acid;gamma-aminobutyric acid;4-Aminobutyric acid |
| CAS NO:            | 56-12-2   |
| EINECS:            | 200-258-6   |
| Molecular Formula: | C4H9NO2   |
| Molecular Weight:  | 103.12  |
| Melting Point:     | 195 °C (dec.) (lit.)  |
| Boiling Point:     | 248.0±23.0 °C(Predicted)  |
| Density:           | 1.2300 (estimate)   |
| Appearance:        | White to almost white Powder  |
| Storage:           | 2-8°C   |
| Solubility:        | H2O: 1 M at 20 °C, clear, colorless   |

**Description:**

4-Aminobutyric acid, CAS 56-12-2, is an amino acid derivative belonging to the carboxylic acid class. It is also known as 4-aminobutyric acid, gamma-aminobutyric acid (GABA), and beta-alanine. GABA is an important neurotransmitter in the central nervous system (CNS) and plays a crucial role in regulating neuronal excitability in the brain. Below is a detailed product description for 4-aminobutyric acid, a remarkable molecule with numerous applications:

4-Aminobutyric acid is a colorless to white powder with a molecular formula of C4H9NO2 and a molecular weight of 103.128. Soluble in water and polar organic solvents, has good stability under ambient conditions.

As a neurotransmitter, GABA plays a crucial role in maintaining neuronal excitability and balance in the brain. It inhibits neuronal activity and reduces the release of other neurotransmitters, such as glutamate and aspartate, which regulate neuronal excitability. GABA's inhibitory effect on neuronal activity produces a sedative or sedative effect, so it is used as a dietary supplement to promote relaxation and reduce anxiety.

We specialize in producing high-purity 4-aminobutyric acid CAS 56-12-2 using advanced production technology. Our products have good solubility and bioavailability and are suitable for use in a variety of pharmaceutical, cosmetic and nutraceutical formulations.

**Application:**

4-Aminobutyric acid, CAS 56-12-2, is an amino acid derivative that plays a vital role as a neurotransmitter in the central nervous system. It modulates neuronal excitability by inhibiting neuronal activity and reducing the release of other neurotransmitters. Here are some potential applications for 4-aminobutyric acid:

1. Relieves Anxiety and Stress: GABA is a natural sedative that promotes relaxation and reduces anxiety. It acts on GABA receptors in the brain, inhibiting neuronal activity, promoting feelings of calm and reducing stress. It can be used as a dietary supplement for anxiety relief and stress management.
2. Sleep aid: GABA participates in the regulation of the brain's sleep-wake cycle and promotes the production of sleep-inducing hormones such as melatonin. It can be used as a natural sleep aid, promoting better sleep quality and duration by calming the central nervous system.
3. Epilepsy and epilepsy control: 4-aminobutyric acid effectively controls epileptic seizures and epilepsy by regulating neuronal excitability. It blocks the activity of excitatory neurons and reduces seizure activity in the brain, providing epilepsy patients with seizure control and prevention.
4. Nerve pain relief: GABA effectively relieves nerve pain or neuropathic pain by reducing neuron excitability and hyperactivity. It is used to treat a variety of neuropathic pain conditions, such as diabetic neuropathy and post-stroke pain.
5. Weight management: GABA is involved in the regulation of appetite and satiety in the brain. It can help with weight management by promoting feelings of fullness and reducing food intake in obese people.
6. Mood disorders: GABA has been shown to regulate serotonin levels in the brain, affecting mood and emotional responses. By promoting a more positive emotional state, it may help treat mood disorders such as depression and anxiety.

**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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