

High Purity D-Alanine 99% Price Quality / D-Alanine CAS 338-69-2

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-338-69-2
- 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: D-Alanine
- CAS NO: 338-69-2
- Purity: 99%
- Shelf Life: 2 Years



Product Description**Specifications:**

Chemical Name	D-Alanine
Synonyms	(2R)-2-(Amino)propanoic Acid; (R)-2-Aminopropanoic Acid; (R)-Alanine; 2: PN: RU2506269 PAGE: 13 Claimed Sequence; Ba 2776; D(-)-α-Alanine; D-(-)-Alanine; D-α-Alanine; NSC 158286
CAS Number	338-69-2
Molecular Formula	C ₃ H ₇ NO ₂
Appearance	White to Off-White Solid
Melting Point	269 - 272°C
Molecular Weight	89.09
Storage	4°C
Solubility	Aqueous Acid (Slightly), Water (Soluble)
Category	Building Blocks; Chiral Molecules; Amino Acids; Pharmaceutical/API Drug Impurities/Metabolites;
Applications	D-Alanine is an amino acid that is commonly found in bacteria, such as <i>Streptococcus faecalis</i> . It is essential for the biosynthesis of peptidoglycan crosslinking sub-units that are used for bacterial cell walls. D-Alanine is also known to cause cytotoxic oxidative stress in brain tumour cells.

Description:

D-Alanine, CAS 338-69-2, is a high-value chemical raw material with wide applications in various industries. Below is a detailed product description of this versatile molecule:

D-Alanine is a white crystalline powder with a molecular formula of C₃H₇NO₂ and a molecular weight of 101.1. Melting point: 153-155 , soluble in water and polar solvents, such as ethanol and dimethylformamide.

D-alanine is prepared via a multi-step synthetic route that involves the reaction of pyruvate with ammonia in the presence of a catalyst. The obtained product is subjected to purification steps to obtain the desired compound. This compound has important industrial applications as it serves as a building block for the synthesis of a variety of organic compounds, pharmaceuticals, cosmetics, and other specialty chemicals.

One of the main applications of D-alanine is in the production of drugs and medicines. It is used as a chiral building block in the synthesis of a variety of drugs, including antibiotics, antivirals, and anticancer drugs. It can also be used to produce amino acid derivatives as intermediates in peptide and protein synthesis.

D-Alanine is also used in the cosmetic industry as a humectant and skin conditioning agent in creams, lotions and moisturizers. It helps retain skin moisture and enhances the feel and texture of cosmetics.

In addition, D-alanine can also be used in the production of polymers. It reacts with other monomers to form polyesters, polyamides and polyurethanes, which have a variety of applications in industries such as textiles, packaging, coatings, adhesives, sealants and insulation materials.

D-Alanine is a valuable chemical raw material that plays a vital role in various industries. It is used as a base material for pharmaceuticals, cosmetics, polymers and other specialty chemicals. A wide range of applications makes it an important ingredient in a variety of commercial products, including pharmaceuticals, cosmetics, packaging materials, adhesives, sealants, fibers, cosmetics and polymers.

Application:

D-Alanine, CAS 338-69-2, is an amino acid with a chiral structure, which exists in two enantiomeric forms: D-form and L-form. Here are some common uses of D-Alanine:

1. Drug production: D-Alanine is an important intermediate for the synthesis of antibiotics, including penicillin, cephalosporin, and tetracycline, as well as antiviral agents, anticancer drugs, and other drugs.
2. Life science research: D-Alanine is also used as a non-essential amino acid in the synthesis of peptides and proteins, and can be used to study the stereoselectivity of enzymes and the activity of chiral drugs.
3. Cosmetics: D-Alanine is used as a humectant and skin-conditioning agent in cosmetics, moisturizers, sunscreens, and hair care products, because it can help maintain skin hydration and enhance the feel and texture of cosmetic products.
4. Polymerization: D-Alanine can react with other monomers to form polyesters, polyamides, polyurethanes, and other polymers, which have broad applications in industries such as textiles, packaging, coatings, adhesives, sealants, and insulations.
5. Other uses: D-Alanine can also be used for daily chemicals, feed, food additives, biochemical reagents, and other fields.

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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