

Bird's Nest Powder Sialic Acid 99% N-Acetylneuraminic Acid CAS 131-48-6

Our Product Introduction

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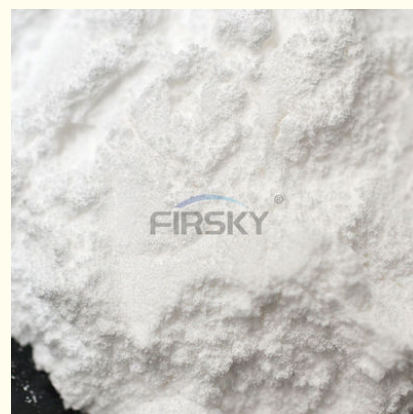
Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-131-48-6
- 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: N-Acetylneuraminic Acid
- CAS NO: 131-48-6
- Purity: 99%
- Shelf Life: 2 Years



Product Description

Specifications:

Chemical Name	N-Acetylneuraminic Acid
Synonyms	5-(Acetylamino)-3,5-dideoxy-D-glycero-D-galacto-2-nonulosonic Acid; NANA; N-Acetylsialic Acid; Sialic Acid;
CAS Number	131-48-6
Molecular Formula	C ₁₁ H ₁₉ NO ₉
Appearance	White to Off-White Solid
Melting Point	>182C (dec.)
Molecular Weight	309.27
Storage	-20°C, Hygroscopic
Solubility	Methanol (Slightly, Heated), Water (Slightly)
Stability	Hygroscopic
Category	Building Blocks; Carbohydrates;
Applications	N-Acetyl-?-neuraminic Acid is a useful reagent in sequential esterification and acetylation of ?-?Sialyl phosphite and phosphoramidite.

Description:

N-Acetylneuraminic acid, CAS 131-48-6, is a high-value bioactive derivative of sialic acid with diverse applications in medicine, pharmacology, and biotechnology. Below is a detailed product description of this extraordinary molecule:

N-acetylneuraminic acid (Neu5Ac) is an important component of gangliosides, a type of glycolipid found in eukaryotic cell membranes that play an important role in cell recognition, signal transduction and membrane fluidity. effect. The molecular formula of Neu5Ac is C₁₁H₁₉NO₉ and the molecular weight is 291.268. It is a white to yellow crystalline powder that is easily soluble in water and polar organic solvents.

N-acetylneuraminic acid has been widely used in biomedicine as a research tool to study the function and structure of cell membrane gangliosides. It has also been used as a starting material for the synthesis of various ganglioside analogs with potential applications in the treatment of neurodegenerative diseases and cancer.

In addition to its use in the research and synthesis of ganglioside analogs, Neu5Ac is also used as a reaction intermediate in the preparation of various glycoconjugates. Glycoconjugates are molecules containing carbohydrate moieties linked to other biologically active molecules such as proteins, lipids, and nucleic acids. These complex sugars play crucial roles in cell-to-cell recognition, signaling, and immune responses.

Application:

N-acetylneuraminic acid (CAS 131-48-6) has a wide range of applications in different fields, including medicine, pharmacology and biotechnology. Here are some specific applications of N-acetylneuraminic acid:

1. Biomedicine and research: As an important component of gangliosides, N-acetylneuraminic acid is used as a biomedical research tool to study the function and structure of gangliosides in cell membranes. It is also a starting material for the synthesis of ganglioside analogs with potential applications in the treatment of neurodegenerative diseases and cancer.
2. Glycobiology: In addition to its use in research and ganglioside analog synthesis, Neu5Ac is also used as a reaction intermediate in the preparation of various glycoconjugates. Glycoconjugates are molecules containing carbohydrate moieties linked to other biologically active molecules such as proteins, lipids, and nucleic acids. These complex sugars play crucial roles in cell-to-cell recognition, signaling, and immune responses.
3. Pharmacology and therapeutics: N-acetylneuraminic acid has been shown to have antiviral activity against influenza viruses. It is thought to interfere with viral binding to host cells by competing with the virus for binding sites on gangliosides.
4. Biotechnology: Neu5Ac can also be used in biotechnology, such as the development of vaccines and diagnostics. It acts as a ligand for ganglioside receptors on cells, helping to target drugs or therapeutics to specific cells or tissues.
5. Cosmetics: N-acetylneuraminic acid is also used in cosmetics as a skin conditioner and moisturizer. It is added to personal care products to improve skin softness and moisture levels.

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.



Firsky International Trade (Wuhan) Co., Ltd



+86 15387054039



admin@firsky-cn.com



firskytech.com

No. 7, Xujiadai, Xin'andu Office, East-West Lake District, Wuhan, China