CAS 131-48-6 N Acetylneuraminic Acids Building Blocks Carbohydrates

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: FIRSKY
- Model Number: 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
- Molecular Formula: $C_{11}H_{19}NO_9$
- Molecular Weight: 309.27
- Highlight: **131-48-6 N Acetylneuraminic Acids**, **N Acetylneuraminic Acids Building Blocks**, **n acetylneuraminic acid Carbohydrates**

Product Description

N-Acetylneuraminic Acid CAS 131-48-6

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: Unraveling the Significance of a Remarkable Sugar
Step into the world of N-Acetylneuraminic Acid, CAS 131-48-6, a remarkable sugar molecule with a profound impact on biological processes and a vital role in the body.

Essential Sugar: N-Acetylneuraminic Acid, often referred to as sialic acid, is a nine-carbon sugar that plays a crucial role in various biological functions.
Cellular Communication: It's a fundamental component of cell surface glycoproteins and glycolipids, where it participates in cell-cell communication, immune responses, and cellular recognition processes.
Protection and Lubrication: N-Acetylneuraminic Acid forms a protective layer on the mucosal surfaces of various organs, including the respiratory and digestive tracts, providing lubrication and defense against pathogens.
Brain Development: Sialic acid is essential for brain development, particularly in infants, and contributes to learning and memory processes.
Disease Relevance: Changes in sialic acid expression are associated with various diseases, including cancer and neurodegenerative disorders, making it a subject of intense research.
Scientific Exploration: Researchers continue to investigate the roles and applications of N-Acetylneuraminic Acid in biology and medicine, shedding light on its far-reaching significance.
Elevate Your Scientific Understanding: Understanding the significance and potential of N-Acetylneuraminic Acid, CAS 131-48-6, underscores its critical importance in the fields of glycobiology, immunology, neuroscience, and medical research. Whether you're a biologist unraveling the complexities of cell-surface interactions, a medical researcher exploring the role of sialic acid in diseases, or someone curious about the molecules that govern our biological processes, unveiling the potential of N-Acetylneuraminic Acid offers profound insights into its pivotal role in advancing scientific knowledge and supporting the intricate web of life.
Your journey to discover the significance of this sugar molecule, from its cellular communication functions to its contributions to health and disease, begins here. Delve into its uses to gain a deeper understanding of its vital place in the complex biology of living organisms. Embrace the possibilities of a molecule that bridges the gaps in cellular communication and safeguards our health.

Application

N-Acetylneuraminic acid, with the CAS number 131-48-6, is a naturally occurring compound and a type of sialic acid. It is also known as NANA or Neu5Ac. Here is its main usage:
Pharmaceutical and biomedical applications: N-Acetylneuraminic acid is used in various pharmaceutical and biomedical applications. It is a precursor molecule for the synthesis of sialic acid derivatives, which have potential therapeutic applications. Sialic acids play important roles in cell recognition, immune response, and various biological processes. Modified sialic acid derivatives can be used in drug development and research relating to viral infections, cancer, inflammation, and other diseases.
Nutritional supplement: N-Acetylneuraminic acid is sometimes used as a dietary supplement. It is considered a bioactive compound and is believed to have potential health benefits. However, the use of N-Acetylneuraminic acid as a dietary supplement is not as common as other nutritional supplements, and it is important to consult with a healthcare professional before using it for this purpose.
It's worth noting that N-Acetylneuraminic acid and its derivatives may have specific applications and uses in specialized fields such as glycobiology, biochemistry, and biotechnology. The specific usage and applications can vary depending on the research or industry involved.
If you are considering using or working with N-Acetylneuraminic acid or its derivatives, it is important to follow proper safety protocols, handle the substance in a well-equipped laboratory, and adhere to the regulations and guidelines provided by relevant authorities, such as safety data sheets (SDS) and local regulations for chemical handling and disposal.

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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