Cas 19130-96-2 1-Deoxynojirimycin D-5-Amino-1,5-dideoxyglucopyranose desoxynojirimycin 1-Deoxy-Nojirimycin

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-CAS 19130-96-2
- 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: 7-15 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 2000T

Product Specification

- Product Name: 1-Deoxynojirimycin
- Shelf Life: 2 Years
- CAS NO: 19130-96-2
- Purity: 99%

Product Description

Product Name:	1-Deoxynojirimycin
CAS:	**19130-96-2**
MF:	$C_6H_{13}NO_4$
MW:	163.172

Description

CAS number 19130-96-2 corresponds to a compound called 1-deoxynojirimycin (DNJ). DNJ is a naturally occurring iminosugar found in various plants, including mulberry leaves. It has gained significant attention due to its potential therapeutic applications.
DNJ possesses inhibitory properties against certain enzymes, particularly α-glucosidases. These enzymes are responsible for breaking down complex carbohydrates into simpler sugars during digestion. By inhibiting α-glucosidases, DNJ can slow down the absorption of glucose in the small intestine, leading to reduced postprandial (after-meal) blood glucose levels.
Due to its ability to modulate carbohydrate metabolism, DNJ has been investigated for its potential use in managing diabetes and related conditions. It has been studied for its hypoglycemic (blood sugar-lowering) effects and its ability to improve insulin sensitivity.

Application

CAS number 19130-96-2 corresponds to 1-deoxynojirimycin (DNJ), a compound with several potential applications. Here are some of the notable applications of DNJ:
Anti-diabetic agent: DNJ has gained attention for its ability to inhibit α-glucosidases, enzymes involved in carbohydrate digestion. By slowing down the absorption of glucose in the small intestine, DNJ can help regulate blood sugar levels. It has been studied for its potential use in managing diabetes and improving insulin sensitivity.
Glycosidase inhibitor: DNJ acts as an inhibitor of various glycosidase enzymes, including α-glucosidases and α-galactosidases. These enzymes are involved in the breakdown of complex carbohydrates and glycoproteins. DNJ's inhibitory activity makes it useful in studying and modulating carbohydrate metabolism.
Antiviral agent: DNJ has demonstrated antiviral activity against certain viruses, including human immunodeficiency virus (HIV). It interferes with the processing of viral glycoproteins, inhibiting viral replication. DNJ's antiviral potential has been investigated for the development of novel therapeutic strategies.
Antitumor agent: Preclinical studies have shown that DNJ possesses anticancer properties. It has been found to inhibit tumor cell growth, induce apoptosis (programmed cell death), and suppress metastasis. DNJ's potential as an antitumor agent holds promise for future research and development in cancer treatment.
Neuroprotective effects: DNJ has been studied for its neuroprotective properties. It has shown the ability to protect neurons from oxidative stress, prevent neuroinflammation, and exhibit neurotrophic effects. These findings suggest that DNJ may have potential applications in neurodegenerative disorders and brain health.

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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