

CAS 19130-96-2 1-Deoxynojirimycin 99% Purity Plant Extracts

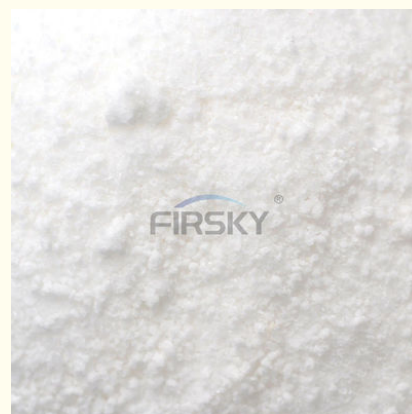
Our Product Introduction

for more products please visit us on firskytech.com**Basic Information**

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

**Product Specification**

- Product Name: 1-Deoxynojirimycin
- CAS NO: 19130-96-2
- Purity: 99%
- Shelf Life: 2 Years
- Highlight: **CAS 19130-96-2 Plant Extracts, 99% Purity 1-Deoxynojirimycin**



Product Description

Manufacturer Supply High Quality CAS 19130-96-2 1-Deoxynojirimycin

Specifications:

Product Name:	1-Deoxynojirimycin
Synonyms:	(2r,3r,4r,5s)-2-hydroxymethyl-3,4,5-trihydropiperidine;5-piperidinetriol,2-(hydroxymethyl)-,(2r-(2alpha,3beta,4alpha,5beta))-4;bay-h5595;moranolin;(+) -1-DEOXYNOJIRIMYCIN;1-DEOXYNOJIRIMYCIN;(2R,3R,4R,5S)-2-(HYDROXYMETHYL)-3,4,5-PIPERIDINETRIOL;(2R,3R,4R,5S)-2-Hydroxymethyl-piperidine-3,4,5-triol
CAS:	19130-96-2
MF:	C6H13NO4
MW:	163.17
EINECS:	606-239-2
Melting point	195-196°C
Boiling point	361.1±42.0 °C(Predicted)
Storage temp.	Keep in dark place,Inert atmosphere,Store in freezer, under -20°C
Solubility	Soluble in Water up to 25 mg/ml).
Appearance:	White Powder
Uses	Deoxynojirimycin inhibits mammalian glucosidase 1. As well, it inhibits intestinal and lysosomal alpha-glucosidases, beta-glucosidase from sweet almonds, pancreatic alpha-amylase and amyloglucosidase.

Description:

1-Deoxynojirimycin (CAS 19130-96-2) is a naturally occurring alkaloid found in a variety of plant sources, including mulberry leaves. The following are the main properties and applications of 1-deoxynojirimycin:

Glycosidase Inhibitors: 1-Deoxynojirimycin is known for its inhibitory effects on glycosidase enzymes. These enzymes are involved in the breakdown of complex carbohydrates in the body. By inhibiting specific glycosidases, 1-deoxynojirimycin can help regulate carbohydrate metabolism and potentially regulate blood sugar levels. This property makes it valuable in the development of antidiabetic and hypoglycemic drugs.

Cholesterol Management: Research suggests that 1-Deoxynojirimycin may have cholesterol-lowering effects. It is thought to inhibit the absorption of dietary cholesterol in the intestines, providing potential benefits for people with high cholesterol levels. 1-Deoxynojirimycin has been studied for its role in managing blood lipids and promoting cardiovascular health.

Weight Management: 1-Deoxynojirimycin has been studied for its potential role in weight management. It is believed to inhibit the action of alpha-glucosidase, which is involved in carbohydrate digestion and absorption. By reducing carbohydrate absorption, 1-deoxynojirimycin may help support healthy weight management and prevent excessive calorie intake.

Nutritional Supplements: 1-Deoxynojirimycin is often used as a dietary supplement due to its potential health benefits. It is often included in formulas designed to support overall health, blood sugar regulation, and metabolic health. 1-Deoxynojirimycin supplements are popular among individuals seeking natural alternatives to support their health goals.

Application:

CAS number 19130-96-2 corresponds to 1-deoxynojirimycin (DNJ). DNJ is a naturally occurring alkaloid found in mulberry leaves and other plant sources. It has several potential applications:

1. **Anti-diabetic drugs:** The potential anti-diabetic effects of DNJ have been studied. It inhibits the activity of alpha-glucosidase, an enzyme involved in carbohydrate digestion. By inhibiting this enzyme, DNJ slows the intestinal absorption of glucose, thereby lowering post-meal blood sugar levels. DNJ is commonly used as a natural ingredient in dietary supplements for blood sugar control.

2. **Glycosidase inhibitors:** DNJ is known for its inhibitory effects on various glycosidases, including α -glucosidase, α -amylase, and β -glucosidase. By inhibiting these enzymes, DNJ regulates carbohydrate metabolism and may have therapeutic applications in diseases such as obesity, metabolic syndrome, and cardiovascular disease.

3. **Couple Therapy:** DNJ has been studied as a potential partner therapy for certain genetic disorders. It can act as a pharmacological chaperone by stabilizing misfolded proteins and promoting their correct folding and transport within cells. This

approach shows promise in treating diseases caused by protein misfolding, such as Gaucher disease and Fabry disease.

4. Antiviral activity: DNJ has been shown to have antiviral activity against certain viruses, including influenza and dengue viruses. It inhibits viral replication by interfering with glycosylation of viral envelope proteins, which is critical for viral entry and infectivity. DNJ may have potential applications in the development of antiviral drugs or as natural antiviral agents.

5. Immunomodulatory effects: Some studies suggest that DNJ may have immunomodulatory properties. It has been found to enhance immune responses and regulate the production of cytokines and other immune factors. The immunomodulatory effects of DNJ may have implications for various immune-related conditions and diseases.

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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