Pharmaceutical Intermediate Beta-Nicotinamide Mononucleotide Nmn CAS 1094-61-7

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-1094-61-7
- 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: β-Nicotinamide Mononucleotide
- CAS NO: 1094-61-7
- Purity: 99%
- Shelf Life: 2 Years

Product Description

Specifications:

Product Name:	β-Nicotinamide Mononucleotide
Synonyms:	3-(Aminocarbonyl)-1-(5-O-phosphono-β-D-ribofuranosyl)pyridinium Inner Salt;?3-Carbamoyl-1-β-D-ribofuranosylpyridinium Hydroxide, 5'-Phosphate Inner Salt; NMN; Nicotinamide Mononucleotide; Nicotinamide Ribonucleoside 5'-Phosphate; Nicotinamide Ribonucleotide; Nicotinamide Ribotide; β-D-NMN; β-NMN;
CAS NO:	1094-61-7
EINECS NO:	214-136-5
Molecular Formula:	$C_{11}H_{15}N_2O_8P$
Molecular Weight:	334.22
Melting Point:	>96°C (dec.)
Storage:	Hygroscopic, -20°C Freezer, Under Inert Atmosphere
Solubility:	DMSO (Slightly, Heated), Methanol (Slightly), Water (Slightly)
Stability:	Very Hygroscopic
Appearance:	White Solid powder

Description:

β-Nicotinamide mononucleotide (β-NMN) is a key intermediate in the biosynthesis of nicotinamide adenine dinucleotide (NAD+), which is involved in a variety of cells. coenzyme of the process. Here are some of the main properties and advantages of β-NMN:
Enhance NAD+ levels: β-NMN is the precursor of NAD+, a key molecule involved in energy metabolism and cell signaling. By supplementing with beta-NMN, it can potentially increase NAD+ levels in the body, supporting overall cell function and energy production.
Anti-Aging Properties: NAD+ decline is associated with aging, and by increasing NAD+ levels, beta-NMN may help counteract age-related cellular degeneration. It has been the subject of extensive research for its potential anti-aging effects, including improving mitochondrial function, enhancing DNA repair, and activating Sirtuins.
Neuroprotective effects: β-NMN shows promise in supporting brain health. Research shows that increasing NAD+ levels with beta-NMN can help prevent neurodegenerative diseases, enhance cognitive function, and promote neuronal survival.
Metabolic Health: NAD+ plays a vital role in regulating metabolism, and beta-NMN supplementation may aid metabolic health. Its potential benefits in managing metabolic disorders such as obesity, insulin resistance, and type 2 diabetes have been studied.

Application:

Let's explore some of the key applications of β-nicotinamide mononucleotide:
1. Research and Scientific Research: Beta-Nicotinamide Mononucleotide is widely used in research laboratories and scientific research. It is a valuable tool for studying cellular metabolism, energy production, and the role of NAD+ in various physiological processes. Researchers have used β-NMN to study the potential benefits and mechanisms of NAD+ supplementation in areas such as aging, neuroprotection, metabolism, and overall cellular health.
2. Pharmaceutical industry: β-Nicotinamide mononucleotide shows potential in the pharmaceutical industry. It is being studied for therapeutic applications in the treatment of age-related diseases and conditions. The compound's ability to increase NAD+ levels and support cell function has led to research into its potential benefits in combating neurodegenerative diseases, metabolic disorders, and age-related cognitive decline.
3. Nutraceuticals and dietary supplements: β-Nicotinamide mononucleotide is increasingly used in the development of nutraceuticals and dietary supplements. These products are designed to support overall health and well-being by providing a source of NAD+ precursors. Beta-NMN supplements are marketed as a means to enhance cellular energy production, promote anti-aging effects, and support metabolic health.
4. Cosmetics and personal care: β-Nicotinamide mononucleotide is also used in the cosmetics and personal care industries. It is thought to be beneficial to the skin because of its involvement in cellular energy production and anti-aging mechanisms. β-NMN is being explored for its potential to improve skin health, enhance skin barrier function and reduce signs of aging.

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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