

Nadp Na2 Triphosphopyridine Nucleotide Disodium Salt CAS 24292-60-2 Powder

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-24292-60-2
- 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: NADP, Disodium Salt
- CAS NO: 24292-60-2
- Purity: 99%
- Shelf Life: 2 Years



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Product Description

Specifications:

Product Name:	NADP, Disodium Salt
Synonyms:	NADP,NA2;TPN,2NA;TPN DISODIUM SALT;NADP,DISODIUM SALT;TPN,NA2;COENZYME II; β -Nicotinamide Adenine Dinucleotide Phosphate Disodium Salt;EINECS 246-129-8; β -NADP-Na2;MFCD00065390; β -NADH phosphate;disodium salt;NADHP;Triphosphopyridine nucleotide,disodium salt
CAS NO:	24292-60-2
EINECS:	246-129-8
Molecular Formula:	C21H26N7Na2O17P3
Molecular Weight:	787.37
Melting Point:	175-178 °C
Appearance:	Yellow powder
Storage:	-20°C
Solubility:	Water Solubility >50 g/L

Description:

NADP, disodium salt, CAS 24292-60-2, is a key coenzyme involved in the biosynthesis of ATP and other biomolecules. It serves as a cofactor in various dehydrogenase reactions and plays a vital role in energy metabolism, biosynthesis, and antioxidant defense. Below is a detailed product description of this extraordinary molecule:

NADP, disodium salt, is a colorless to yellow solid powder with a molecular formula of C₂₁H₂₈N₇Na₂O₁₆P₃ and a molecular weight of 679.437. Soluble in water and polar organic solvents, has good stability under ambient conditions.

NADP acts as a cofactor in dehydrogenase reactions involved in energy metabolism and biosynthesis. It plays a vital role in the electron transport chain, which is essential for the production of ATP. NADP also serves as a substrate for various oxidoreductases involved in biosynthetic reactions, such as glutamate dehydrogenase and alcohol dehydrogenase.

In addition to its role in biosynthetic reactions, NADP is involved in the reduction of oxidized glutathione (GSSG) to reduced glutathione (GSH), an important antioxidant molecule in cells. GSH plays a crucial role in scavenging reactive oxygen species (ROS) generated during cellular metabolism and protecting cells from oxidative damage.

We use advanced manufacturing technology to specialize in the production of high purity NADP disodium salt CAS 24292-60-2. Our products have good solubility and bioavailability and are suitable for use in a variety of pharmaceutical, cosmetic and nutraceutical formulations.

Application:

NADP, disodium salt (nicotinamide adenine dinucleotide phosphate disodium salt), CAS 24292-60-2, has important applications in various fields. Let's explore some of the key applications of NADP (disodium salt):

- Enzymatic reactions:** NADP, disodium salt is widely used as a cofactor in enzymatic reactions, especially those involving oxidation and reduction reactions. As an electron carrier, it participates in metabolic pathways such as the pentose phosphate pathway, fatty acid synthesis, and nucleotide biosynthesis. NADP (disodium salt) promotes the transfer of electrons and hydrogen ions and plays a vital role in cellular energy metabolism and biosynthesis processes.
- Oxidative stress and antioxidant defense:** NADP, disodium salt participates in the antioxidant defense mechanism within cells. It acts as a cofactor for enzymes such as NADPH oxidase and NADPH quinone oxidoreductase, helping to neutralize reactive oxygen species (ROS) and maintain cellular redox balance. NADP (disodium salt) supports cellular antioxidant systems, contributes to overall cell health and protects against oxidative stress.
- Biotechnology and Enzyme Engineering:** NADP, disodium salt is used in various biotechnology applications and enzyme engineering. It is used in the production and optimization of enzymes involved in redox reactions, as it provides the necessary cofactors for their activity. NADP (disodium salt) is used in processes such as the synthesis of fine chemicals, pharmaceutical intermediates and biofuels.
- Diagnostic Assays:** NADP (disodium salt) is used in diagnostic assays and biochemical tests to measure enzyme activity and metabolic processes. It is used to study enzyme kinetics, determine the activity of specific enzymes, and evaluate metabolic pathways. NADP (disodium salt-based assay) is a valuable tool in clinical and research laboratories for disease diagnosis, drug discovery, and studying cellular metabolism.
- Biomedical research:** NADP, disodium salt is used in biomedical research. It is used to study cellular metabolism, energy production, and redox signaling pathways. Researchers use NADP (disodium salt) to study the effects of NADP-dependent enzymes, understand metabolic disorders, and explore potential therapeutic targets.

Advantage:

- 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.
- If you have any questions, don't hesitate to ask them; we'll get back to you within 48 hours.
- 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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