Yellow Powder Nadp Disodium Salt CAS 24292-60-2 Biological Energetics

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: FIRSKY
- Model Number: 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
- Molecular Formula: C21H26N7Na2O17P3
- Molecular Weight: 787.37
- Highlight: **Nadp Disodium Salt 24292-60-2**, **Yellow Powder Nadp Disodium Salt**, **CAS 24292-60-2**

Product Description

NADP, Disodium Salt CAS 24292-60-2

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: The Powerhouse Coenzyme for Biosynthesis and Cellular Health
Join us on a journey to uncover the remarkable world of NADP Disodium Salt, CAS 24292-60-2, a coenzyme that plays a vital role in the world of biosynthesis and cellular health.

Biological Energetics: NADP (Nicotinamide Adenine Dinucleotide Phosphate) is an essential coenzyme, serving as a carrier of electrons and a key player in various metabolic processes. It participates in biosynthetic reactions crucial for the production of molecules such as fatty acids and nucleotides.
Oxidative Defense: NADP also plays a pivotal role in antioxidant defense mechanisms, helping cells combat oxidative stress and prevent damage caused by free radicals. This function contributes to overall cellular health and longevity.
Enzymatic Catalyst: As a cofactor for numerous enzymes, NADP enables these enzymes to carry out essential reactions efficiently. This is essential for a wide range of biological processes, from energy production to DNA repair.
Biotechnological Significance: NADP Disodium Salt is a valuable tool in biotechnology and research. Its applications range from enzymatic assays to the production of biofuels and pharmaceuticals.
Scientific Innovation: Researchers continue to explore the diverse applications of NADP in understanding cellular function and developing novel therapies, highlighting its significance in advancing scientific knowledge.
Elevate Your Understanding: Recognizing the importance and potential of NADP Disodium Salt, CAS 24292-60-2, underscores its central role in the fields of biochemistry, biotechnology, and health sciences.
Whether you're a biochemist unraveling the intricacies of biosynthesis, a biotechnologist developing cutting-edge applications, or someone passionate about understanding the building blocks of life, unveiling the potential of NADP offers profound insights into its pivotal role in sustaining cellular vitality and advancing scientific progress.
Your journey to discover the significance of this coenzyme, from its contributions to biosynthesis to its applications in biotechnology, begins here. Delve into its uses to gain a deeper understanding of its vital place in advancing scientific knowledge and supporting various aspects of life and health. Unleash the full potential of your knowledge and curiosity.

Application

NADP (Nicotinamide adenine dinucleotide phosphate) is a coenzyme derived from NAD+ and plays a crucial role in various cellular processes, particularly in redox reactions. The disodium salt form of NADP, with the CAS number 24292-60-2, is a stable and water-soluble version of NADP. Here are some reported usages and functions of NADP, Disodium Salt:
Redox reactions: NADP, Disodium Salt serves as a cofactor in numerous enzymatic reactions that involve oxidation and reduction processes. It acts as an electron carrier, shuttling electrons between different enzymes and substrates, facilitating metabolic reactions and maintaining cellular homeostasis.
Biosynthesis of macromolecules: NADP, Disodium Salt is involved in biosynthetic pathways, including fatty acid synthesis, cholesterol synthesis, and nucleotide synthesis. It provides the necessary reducing power (in the form of NADPH) for these anabolic processes, contributing to the production of essential molecules in the cell.
Antioxidant defense: NADPH, the reduced form of NADP, plays a critical role in antioxidant defense mechanisms. It provides reducing equivalents to enzymes such as glutathione reductase and thioredoxin reductase, which help maintain a reduced cellular environment and protect against oxidative damage.
Detoxification reactions: NADPH-dependent enzymes, such as cytochrome P450 reductase, are involved in the detoxification of xenobiotics and drugs in the liver. NADP, Disodium Salt supports these detoxification reactions by providing the necessary reducing power for enzyme activity.
Photosynthesis: In plants and algae, NADP, Disodium Salt is a key component in the light-dependent reactions of photosynthesis. It functions as an electron carrier, accepting electrons during the light reactions and participating in the generation of energy-rich molecules like ATP and NADPH, which are used in the synthesis of carbohydrates.
NADP, Disodium Salt is primarily used for research purposes and is not commonly available as a dietary supplement. It is important to note that specific usage and dosages may vary depending on the research application or experimental design. If you are considering using NADP, Disodium Salt for research purposes, it is recommended to consult scientific literature, protocols, or expert guidance to ensure appropriate usage and handling.

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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