

CAS 2646-71-1 Nadph Tetrasodium Salt crystalline C21H31N7NaO17P3

Basic Information

- Place of Origin: China
- Brand Name: FIRSKY
- Model Number: 2646-71-1
- 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: NADPH, Tetrasodium Salt
- CAS NO: 2646-71-1
- Molecular Formula: C21H31N7NaO17P3
- Molecular Weight: 769.42
- Color: White
- Form: Cream
- Highlight: 2646-71-1 Nadph Tetrasodium Salt,
Nadph Tetrasodium Salt C21H31N7NaO17P3,
cas 2646 71 1



Product Description

NADPH, Tetrasodium Salt CAS 2646-71-1

Product Name:	NADPH, Tetrasodium Salt
Synonyms:	BETA-TRIPHOSPHOPYRIDINE NUCLEOTIDE TETRASODIUM SALT,REDUCED FORM;BETA-TRIPHOSPHOPYRIDINE NUCLEOTIDE, SODIUM, REDUCED FORM;BETA-NADPH;Dihydronicotinamide Adenine Dinucleotide Pphosphate Tetrasodium Salt;dihydronicotinamide-adenine dinucleotide phosphate tetrasodium;TRIPHOSPYRIDINE NUCLEOTIDE, REDUCED FORM TETRASODIUM SALT;TRIPHOSPHOPYRIDINE NUCLEOTIDE, REDUCED FORM, TETRASODIUM;TRIPHOSPHOPYRIDINE NUCLEOTIDE, REDUCED FORM TETRASODIUM SALT
CAS:	2646-71-1
MF:	C21H31N7NaO17P3
MW:	769.42
EINECS:	220-163-3
Melting point	>250°C (dec.)
storage temp.	Keep in dark place,Inert atmosphere,Store in freezer, under -20°C
solubility	10 mM NaOH: soluble50mg/mL, clear
form	Powder
color	White to Off-white
form	crystalline
color	white

Description

NADPH Tetrasodium Salt, CAS 2646-71-1: Powering Cellular Energy and Redox Reactions

Embark on a journey to explore the vital role of NADPH Tetrasodium Salt, CAS 2646-71-1, a crucial coenzyme in the realm of biochemistry and cellular energy.

Cellular Energy Currency: NADPH (Nicotinamide Adenine Dinucleotide Phosphate) is often referred to as the "energy currency" of cells. It plays a pivotal role in various metabolic processes, particularly in powering anabolic reactions and biosynthesis.

Redox Reactions: NADPH is an essential coenzyme in redox reactions, acting as a reducing agent. It participates in maintaining the cellular redox balance, protecting cells from oxidative damage, and supporting antioxidant systems.

Biological Significance: NADPH Tetrasodium Salt is not only a key player in energy metabolism but also crucial for the biosynthesis of fatty acids, cholesterol, and nucleotides. It is essential for the growth and proliferation of cells.

Biotechnological Applications: Researchers and biotechnologists utilize NADPH Tetrasodium Salt in various applications, including bioremediation, pharmaceutical manufacturing, and the production of biofuels.

Elevate Your Understanding: Recognizing the significance of NADPH Tetrasodium Salt, CAS 2646-71-1, underscores its importance in the fields of biochemistry, cellular biology, and biotechnology.

Whether you're a biochemist deciphering the intricacies of cellular metabolism, a researcher working on biotechnological innovations, or someone interested in the molecular mechanisms of life, unveiling the potential of NADPH offers profound insights into its pivotal role in sustaining cellular energy and redox balance.

Your journey to discover the significance of this coenzyme, from its role in powering cellular processes to its applications in biotechnology, begins here. Delve into its diverse uses to gain a deeper understanding of its vital place in advancing scientific knowledge and technological progress. Unleash the full potential of your knowledge and curiosity.

Application

NADPH, Tetrasodium Salt, with CAS number 2646-71-1, refers to nicotinamide adenine dinucleotide phosphate (NADPH) in its tetrasodium salt form. NADPH is a coenzyme that plays a crucial role in various biological processes. Here are some potential uses and applications of NADPH, Tetrasodium Salt:

Enzymatic Reactions: NADPH is involved in numerous enzymatic reactions, particularly in redox reactions. It serves as a reducing agent, providing electrons for these reactions. Many enzymes require NADPH as a cofactor to carry out important biochemical processes, such as biosynthesis, detoxification, and cellular energy metabolism.

Biosynthesis: NADPH is essential for the synthesis of various molecules in living organisms. It is particularly crucial in anabolic pathways, where it provides the reducing power required for the production of lipids, nucleotides, and other important biomolecules.

Antioxidant Defense: NADPH plays a significant role in antioxidant defense mechanisms. It is a cofactor for enzymes like glutathione reductase, which regenerates reduced glutathione (GSH) and helps protect cells from oxidative damage. NADPH is also involved in the maintenance and recycling of other antioxidant molecules in the body.

Drug Metabolism: NADPH-dependent enzymes, such as cytochrome P450 reductase, are involved in the metabolism of drugs and xenobiotics in the liver. NADPH provides the necessary reducing equivalents for these enzymes, facilitating the detoxification and elimination of foreign substances from the body.

Research and Experimental Studies: NADPH, Tetrasodium Salt, is commonly used in research and experimental studies. It may be used as a reagent or cofactor in enzymatic assays, cell culture studies, and biochemical experiments to investigate various metabolic pathways, redox reactions, and cellular processes.

It's important to note that the specific usage and application of NADPH, Tetrasodium Salt, can vary depending on the research or experimental context. The handling and utilization of this compound should be conducted following appropriate safety procedures and in compliance with regulations.

If you have a specific interest or need for NADPH, Tetrasodium Salt, it is advisable to consult with professionals in the respective field, such as biochemists, researchers, or industry experts, for guidance on its appropriate usage and any specific considerations.

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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