

NADPH, Tetrasodium Salt CAS 2646-71-1 in various applications across different fields

Our Product Introduction

Basic Information

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



Product Specification

- Shelf Life: 2 Years
- Product Name: NADPH, Tetrasodium Salt
- CAS NO: 2646-71-1
- Purity: 99%



for more products please visit us on firskytech.com

Product Description

Product Description

Product Name:	NADPH, Tetrasodium Salt
Synonyms:	BETA-TRIPHOSPHOPYRIDINE NUCLEOTIDE TETRASODIUM SALT,REDUCED FORM ;BETA-TRIPHOSPHOPYRIDINE NUCLEOTIDE, SODIUM, REDUCED FORM; BETA-NADPH;Dihyronicotinamide Adenine Dinucleotide Pphosphate Tetrasodium Salt; dihyronicotinamide-adenine dinucleotide phosphate tetrasodium
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

Description

Discover the exceptional capabilities of our premium-grade compound, NADPH tetrasodium salt (CAS 2646-71-1). As a vital coenzyme with diverse applications, NADPH plays a pivotal role in various biochemical processes. With our NADPH tetrasodium salt, you gain access to a high-quality and reliable product that meets the demands of cutting-edge research and industrial applications.

NADPH tetrasodium salt serves as a key component in reductive biosynthesis, fueling the synthesis of essential biomolecules such as fatty acids, cholesterol. Its role as a powerful reducing agent enables efficient biosynthetic pathways, contributing to cellular integrity and function.

With its potent antioxidant properties, NADPH tetrasodium salt acts as a vital player in the cellular antioxidant defense system. By regenerating antioxidants like glutathione, it helps protect cells from oxidative stress and maintain optimal redox balance. This makes it an invaluable tool in studying oxidative stress-related diseases and exploring potential therapeutic interventions.

Furthermore, NADPH tetrasodium salt plays a critical role in detoxification reactions, supporting the metabolism and elimination of xenobiotics, drugs, and environmental toxins. Its involvement in drug metabolism, facilitated by NADPH-dependent enzymes like cytochrome P450s, makes it an essential component in pharmacological research and drug development.

In the realm of cellular energy metabolism, NADPH tetrasodium salt provides the necessary reducing equivalents for anabolic reactions, fueling the synthesis of vital macromolecules. This makes it a valuable asset in studying metabolic pathways and understanding the intricate mechanisms underlying cellular processes. Our commitment to quality ensures that our NADPH tetrasodium salt (CAS 2646-71-1) meets the highest industry standards. Trust in our product to deliver consistent and reliable results, enabling breakthroughs in scientific research and industrial applications.

Please note that specific usage recommendations, concentrations, and experimental conditions may vary depending on your specific needs. For precise guidance tailored to your requirements, we recommend consulting scientific literature, professionals, or experts in the field.

Application

NADPH tetrasodium salt (CAS 2646-71-1) finds utility in various applications across different fields. Here are some common usages:

Reductive Biosynthesis: NADPH tetrasodium salt is a crucial coenzyme involved in reductive biosynthesis processes. It serves as a reducing agent in numerous enzymatic reactions, facilitating the synthesis of various biomolecules, including fatty acids, cholesterol.

Antioxidant Defense: NADPH plays a vital role in maintaining the cellular antioxidant defense system. It acts as a cofactor for enzymes, such as glutathione reductase, which regenerate antioxidants like glutathione. NADPH helps protect cells from oxidative stress by reducing reactive oxygen species (ROS) and maintaining redox homeostasis.

Detoxification Reactions: NADPH is essential for detoxification reactions in the body. It supports the activities of enzymes involved in the metabolism and elimination of xenobiotics, drugs, and environmental toxins. NADPH-dependent enzymes, such as cytochrome P450s, play a critical role in drug metabolism and biotransformation.

Cellular Energy Metabolism: NADPH tetrasodium salt participates in cellular energy metabolism by providing reducing equivalents for anabolic reactions. It powers biosynthetic processes, such as the synthesis of nucleic acids, amino acids, and carbohydrates, through its role in reductive biosynthesis.

Research and Laboratory Studies: NADPH tetrasodium salt is widely used in research laboratories for studying enzyme kinetics, redox reactions, and metabolic pathways. It serves as a fundamental tool in biochemistry, molecular biology, and pharmacology research, aiding in the investigation of cellular processes and mechanisms.

Please note that specific usage recommendations, concentrations, and experimental conditions may vary depending on the intended application. It is advisable to consult scientific literature, professionals, or experts in the field for precise guidance on the usage of NADPH tetrasodium salt (CAS 2646-71-1) based on your specific

requirements.

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.



Firsky International Trade (Wuhan) Co., Ltd



+86 15387054039



admin@firsky-cn.com



firskytech.com

No. 7, Xujiadai, Xin'andu Office, East-West Lake District, Wuhan, China