

## Beta-Nicotinamide Adenine Dinucleotide Disodium Salt Nadh CAS 606-68-8

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-606-68-8
- 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: NADH, Disodium Salt
- CAS NO: 606-68-8
- Purity: 99%
- Shelf Life: 2 Years



**Product Description****Specifications:**

Product Name:	NADH, disodium salt
Synonyms:	eta-d-ribofuranosyl-3-pyridinecarboxamide,disodiumsalt;BETA-NICOTINAMIDE ADENINE DINUCLEOTIDE, REDUCED FORM DISODIUM SALT;BETA-NICOTINAMIDE-ADENINE DINUCLEOTIDE, REDUCED, 2NA;BETA-NICOTINAMIDE ADENINE DINUCLEOTIDE REDUCED DISODIUM SALT;BETA-NICOTINAMIDE ADENINE DINUCLEOTIDE, DISODIUM SALT;beta-Nicotinamide adenine dinucleotidedisodium salthydrate;eta-d-ribofuranosyl-3-pyridinecarboxamide, disodium salt beta-nicotinamide adenine dinucleotide, disodium salt, hydrate beta-nicotinamide adenine dinucleotide disodium salt, trihydrate;NICOTINAMIDE ADENINE DINUCLEOTIDE (REDUCED) DISODIUM SALT extrapure
CAS:	606-68-8
MF:	C <sub>21</sub> H <sub>30</sub> N <sub>7</sub> NaO <sub>14</sub> P <sub>2</sub>
MW:	689.44
EINECS:	210-123-3
Melting point	140-142°C
density	1.955 at 20
vapor pressure	0.73Pa at 20-50
storage temp.	Inert atmosphere,Store in freezer, under -20°C
solubility	H <sub>2</sub> O: 50 mg/mL, clear to nearly clear, yellow
form	Powder
color	White

**Description:**

NADH, disodium salt, CAS 606-68-8, is a reducing agent that plays a vital role in the biosynthesis of ATP and other biomolecules. It is a key intermediate in the production of various pharmaceuticals, cosmetics and nutraceuticals. Below is a detailed product description of this extraordinary molecule:

NADH, disodium salt, is a colorless to yellow solid powder with a molecular formula of C<sub>21</sub>H<sub>27</sub>N<sub>7</sub>Na<sub>2</sub>O<sub>16</sub>P<sub>3</sub> and a molecular weight of 663.429. Soluble in water and polar organic solvents, has good stability under ambient conditions.

NADH (disodium salt) acts as a cofactor in various dehydrogenase reactions involved in energy metabolism and biomolecule biosynthesis. It plays a vital role in NAD<sup>+</sup> biosynthesis and the electron transport chain, which is essential for ATP production and mitochondrial function. NADH also serves as a substrate for various oxidoreductases involved in biosynthetic reactions, such as glutamate dehydrogenase and alcohol dehydrogenase.

We use advanced manufacturing technology to specialize in the production of high-purity NADH, disodium salt, CAS 606-68-8. Our products have good solubility and bioavailability and are suitable for use in a variety of pharmaceutical, cosmetic and nutraceutical formulations.

**Application:**

NADH, disodium salt, CAS 606-68-8, is a reducing agent that plays a vital role in the biosynthesis of ATP and other biomolecules. It is a key intermediate in the production of various pharmaceuticals, cosmetics and nutraceuticals.

1.NADH acts as a cofactor in dehydrogenase reactions, including those involved in energy metabolism and biosynthesis. It is a key player in the electron transport chain and is essential for ATP production and mitochondrial function. NADH serves as a substrate for various oxidoreductases involved in biosynthetic reactions.

2.NADH acts as a cofactor for dehydrogenases involved in the oxidation of alcohols and aldehydes. These enzymes are essential for metabolizing toxic alcohols and aldehydes produced during cellular metabolism.

3.NADH is also a component of the pyruvate dehydrogenase complex, which catalyzes the conversion of pyruvate into acetyl-CoA, an important step in glucose metabolism. Acetyl-CoA then enters the citric acid cycle, where it is oxidized to produce ATP.

4.NADH is also involved in the reduction of oxidized glutathione (GSSG) to reduced glutathione (GSH), an essential 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.

**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