

**Product Name:** NADPH reduced form tetrasodium salt

**Catalog No.:** 5515

**Batch No.:** 7

CAS Number: 2646-71-1

EC Number: 220-163-3

IUPAC Name:  $\beta$ -Nicotinamide adenine dinucleotide 2'-phosphate reduced tetrasodium salt

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>21</sub>H<sub>26</sub>N<sub>7</sub>Na<sub>4</sub>O<sub>17</sub>P<sub>3</sub>·3H<sub>2</sub>O

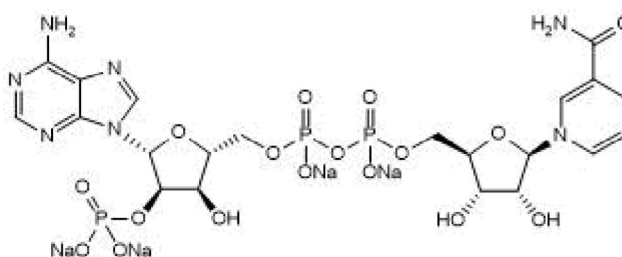
**Batch Molecular Weight:** 887.4

**Physical Appearance:** White to off-white solid

**Solubility:** water to 50 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 97.5% purity

**Water Content:** 6.4%

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

NADPH reduced form tetrasodium salt is a cofactor for many anabolic enzymes which use NADPH as a reducing agent.

**Physical and Chemical Properties:**

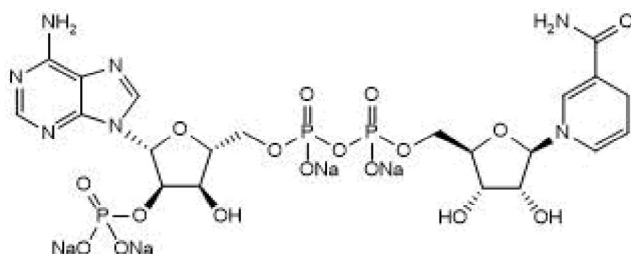
Batch Molecular Formula: C<sub>21</sub>H<sub>26</sub>N<sub>7</sub>Na<sub>4</sub>O<sub>17</sub>P<sub>3</sub>·3H<sub>2</sub>O

Batch Molecular Weight: 887.4

Physical Appearance: White to off-white solid

**Minimum Purity:** ≥93%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

water to 50 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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