

Product Name: NADPH reduced form tetrasodium salt

Catalog No.: 5515

Batch No.: 3

CAS Number: 2646-71-1

EC Number: 220-163-3

IUPAC Name: β -Nicotinamide adenine dinucleotide 2'-phosphate reduced tetrasodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₂₆N₇Na₄O₁₇P₃·3H₂O

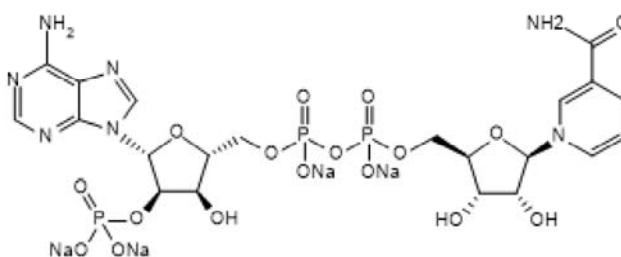
Batch Molecular Weight: 887.4

Physical Appearance: White solid

Solubility: water to 50 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.1% purity

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

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IUPAC Name: β -Nicotinamide adenine dinucleotide 2'-phosphate reduced tetrasodium salt

Description:

Cofactor for many anabolic enzymes which use NADPH as a reducing agent.

Physical and Chemical Properties:

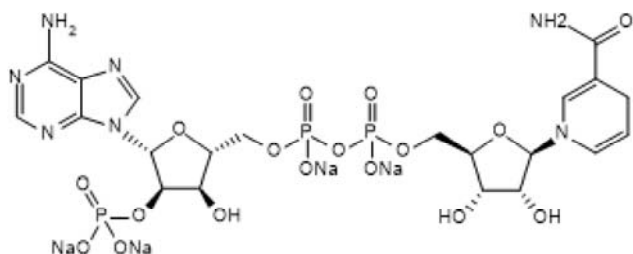
Batch Molecular Formula: $C_{21}H_{26}N_7Na_4O_{17}P_3 \cdot 3H_2O$

Batch Molecular Weight: 887.4

Physical Appearance: White solid

Minimum Purity: $\geq 93\%$

Batch Molecular Structure:



Storage: Store at $-20^{\circ}C$

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 $45-60^{\circ}C$ water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

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 $-20^{\circ}C$ or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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