

Certificate of Analysis

www.tocris.com

Product Name: NADPH reduced form tetrasodium salt

Catalog No.: 5515

Batch No.: 9

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

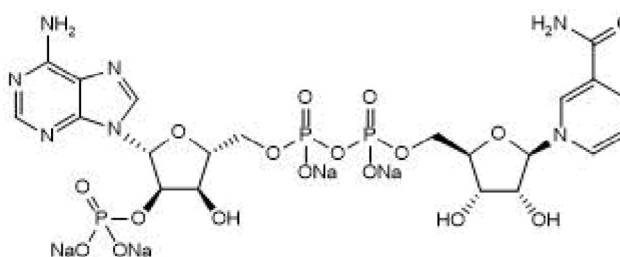
Batch Molecular Weight: 887.4

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 97.4% purity

Water Content (KF): 6.6%

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

Product Information

www.tocris.com

Product Name: NADPH reduced form tetrasodium salt

Catalog No.: 5515

Batch No.: 9

CAS Number: 2646-71-1

EC Number: 220-163-3

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

Description:

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

Physical and Chemical Properties:

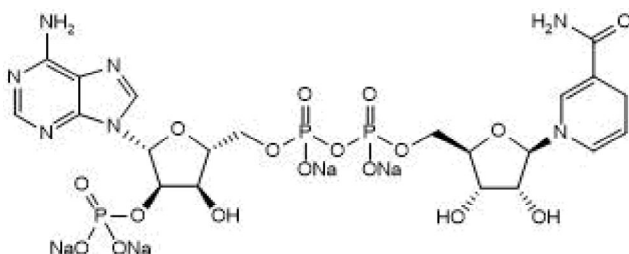
Batch Molecular Formula: $C_{21}H_{26}N_7Na_4O_{17}P_3 \cdot 3H_2O$

Batch Molecular Weight: 887.4

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

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956