

1. Identification

Catalogue Number

N407768

Lot Number

20-EQJ-132-1

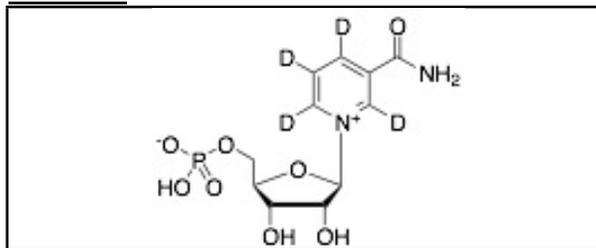
Product Name

Beta-Nicotinamide-d4 Mononucleotide (d4-major)

Synonyms

3-(Aminocarbonyl)-1-(5-O-phosphono-β-D-ribofuranosyl)pyridinium-d4 Inner Salt;

Structure



CAS Number

N/A

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature With Dry Pack

Molecular Formula

C₁₁H₁₁D₄N₂O₈P

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

338.24

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Sticky Solid to Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 36.74, %H: 4.59, %N: 7.72

HPLC Purity

>95%

97.98% (205 nm)

MS

Conforms to Structure

Conforms

Additional Information

Normalized Intensity: d₀ = 0.01%, d₁ = 1.29%, d₂ = 0.70%, d₃ = 2.77%, d₄ = 95.23%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by

Nicole Yip

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

9/28/2023

Retest Date

9/26/2027