



1. Identification

Catalogue Number

N407783

Lot Number

3-JAB-170-3

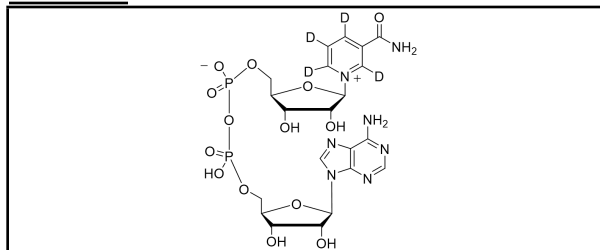
Product Name

beta-Nicotinamide Adenine Dinucleotide-d4 (major) (>85%)

Synonyms

β-NAD-d4 (major)

Structure



CAS Number

N/A

Solubility

Aqueous Base (Very Slightly),
Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular Formula

C₂₁H₂₃D₄N₇O₁₄P₂

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

667.45

Purity

>85%

2. Warnings

Light Sensitive

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

HPLC Purity

Report Result

89.44% (260 nm)

MS

Conforms to Structure

Conforms

Additional Information

Normalized Intensity: d₀ = 0.09%, d₁ = 0.18%, d₂ = 1.06%, d₃ = 36.25%, d₄ = 62.42%

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

Jessica Wang Chi

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

2/14/2025

Retest Date

2/12/2029