

1. Identification

Catalogue Number

A611705

Lot Number

16-VSB-103-2

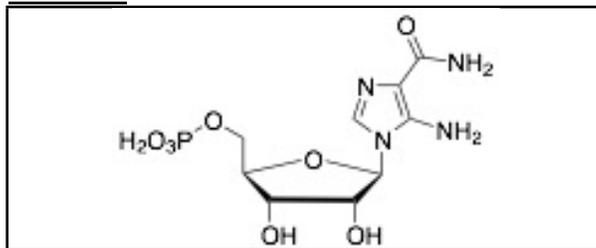
Product Name

5-Aminoimidazole-4-carboxamide-1-β-D-Ribofuranosyl 5'-Monophosphate

Synonyms

5-Aminoimidazole-4-carboxamide Ribonucleoside; AICAR Monophosphate;

Structure



CAS Number

3031-94-5

Solubility

DMSO (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₉H₁₅N₄O₈P

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

338.21

Purity

97%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Pink Solid

Results

Off-White Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 30.02, %H: 4.69, %N: 15.47

HPLC Purity

Report Result

97.56% (265 nm)

MS

Conforms to Structure

Conforms

Additional Information

N/A

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

Neha

Neha Khanna

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Christina Gouliaras

Quality Assurance Associate

Test Date

8/19/2024

Retest Date

8/17/2028