

1. Identification

Catalogue Number

H942772

Lot Number

9-SHT-156-1

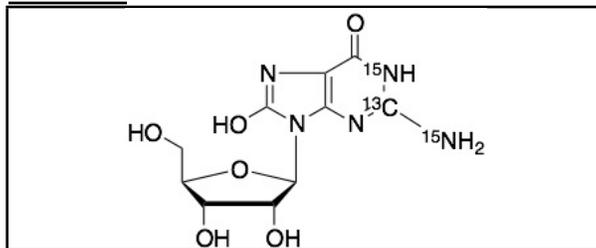
Product Name

8-Hydroxy Guanosine-13C,15N2

Synonyms

2-Amino-9-β-D-ribofuranosyl-purine-6,8(1H,9H)-dione-13C,15N2;

Structure



CAS Number

N/A

Solubility

DMSO (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₉¹³CH₁₃N₃¹⁵N₂O₆

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

302.22

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Yellow Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 40.56, %H: 4.95, %N: 23.73

HPLC Purity

>95%

97.21% (250 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.1%

Specific Rotation

Report Result

-25.0° (c = 0.2, Water)

Additional Information

Normalized Intensity: d₀ = 0.09%, d₁ = 0.00%, d₂ = 2.32%, d₃ = 97.59%

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

7/13/2023

Retest Date

7/11/2027