

1. Identification

Catalogue Number

O850252

Lot Number

4-YSS-63-1

Product Name

8-Oxo-2'-deoxyguanosine-13C,15N2

Synonyms

8-Hydroxy-2'-deoxyguanosine-13C,15N2; 8-Oxo-7,8-dihydrodeoxyguanosine-13C,15N2; 2'-Deoxy-7,8-dihydro-8-oxo-guanosine-13C,15N2; 8-Oxo-7,8-dihydro-2'-deoxyguanosine-13C,15N2; 8-Oxo-dG-13C,15N2;

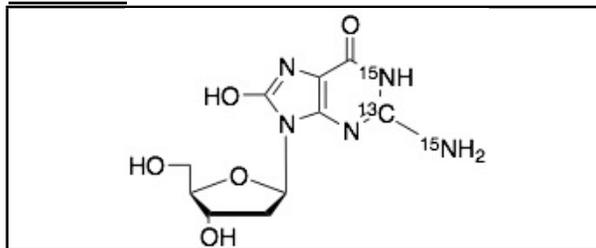
CAS Number

N/A

Solubility

DMSO (Slightly), Methanol (Slightly)

Structure



Molecular Formula

C₉¹³CH₁₃N₃¹⁵N₂O₅

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

286.22

Purity

>95%

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

N NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

98.16% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.9%

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.00%, d₂ = 0.44%, d₃ = 99.56%

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

1/30/2025

Retest Date

1/28/2032