



CERTIFICATE OF ANALYSIS

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1. Identification

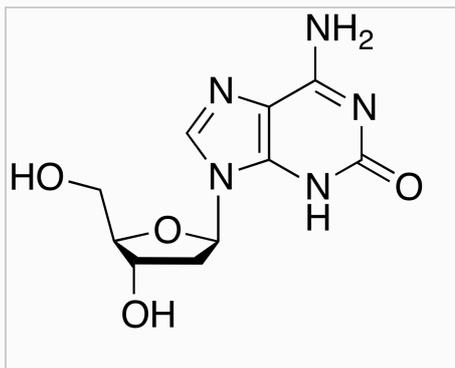
Catalogue Number: D281570

CAS Number: 106449-56-3

Product: 2'-Deoxyisoguanosine

Synonym: Deoxyisoguanosine; 2'-Deoxy-1,2-dihydro-2-oxoadenosine;

Structure:



Molecular Formula:

C₁₀H₁₃N₅O₄

Molecular weight:

267.24

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 5-NAV-183-2

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C, Hygroscopic

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 39.94, %H: 5.18, %N: 23.74
HPLC Purity	Report Result	96.02% (205 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-8.5° (c = 0.2, Methanol)
Water Content	Report Result	~9.6% based on Elemental Analysis

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

Swathi Reddy

Reviewed By

Toni Rantanen

C of A Approved By

Chanell Chu

Test Date

4/18/2022

Retest Date

4/16/2026