



CERTIFICATE OF ANALYSIS

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1. Identification

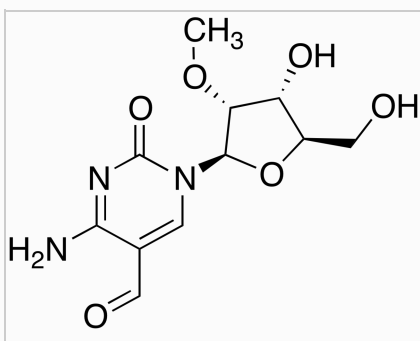
Catalogue Number: F701660

CAS Number: 176858-79-0

Product: 5-Formyl-2'-O-methylcytidine

Synonym: 4-Amino-1-((2R,3R,4R,5R)-4-hydroxy-5-(hydroxymethyl)-3-methoxytetrahydrofuran-2-yl)-2-oxo-1,2-dihydropyrimidine-5-carbaldehyde

Structure:



Molecular Formula:

C₁₁H₁₅N₃O₆

Molecular weight:

285.25

Source of Product:

Synthetic

Solubility:

No Data Available

Lot Number: 22-KSS-160-2

Purity: 98%

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 Off-White Solid | White Solid |
| NMR | Conforms to Structure | Conforms |
| MS | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 43.68, %H: 5.25, %N: 13.83 |
| HPLC Purity | Report Result | 99.69% (225 nm) |
| Specific Rotation | Report Result | +35.0° (c = 0.1, Methanol) |

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

Henry Tieu

Reviewed By

Toni Rantanen

C of A Approved By

Chanell Chu

Test Date

4/20/2023

Retest Date

4/18/2027