



CERTIFICATE OF ANALYSIS

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1. Identification

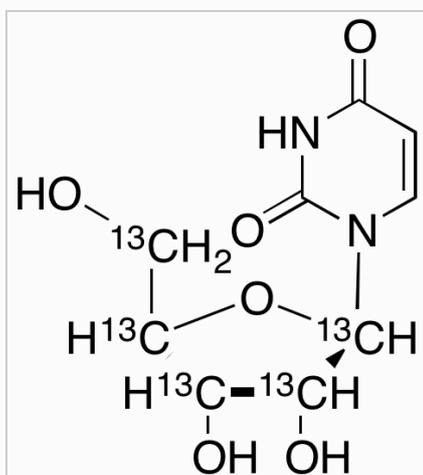
Catalogue Number: U829917

CAS Number: 159496-16-9

Product: [1',2',3',4',5'-13C5]Uridine

Synonym: 1-β-D-Ribofuranosyluracil[1',2',3',4',5'-13C5]; β-Uridine; 1-β-D-Ribofuranosyluracil[1',2',3',4',5'-13C5]; 1-β-D-Ribofuranosyl-2,4(1H,3H)-pyrimidinedione[1',2',3',4',5'-13C5]; NSC 20256[1',2',3',4',5'-13C5]; β-Uridine[1',2',3',4',5'-13C5];

Structure:



Molecular Formula:

C₄¹³C₅H₁₂N₂O₆

Molecular weight:

249.17

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 8-MWC-153-1

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.7%
C NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.92% (260 nm)

Additional Information:

Normalized Intensity: 13C0 = 0.13%, 13C1 = 0.14%, 13C2 = 0.00%, 13C3 = 0.63%, 13C4 = 4.12%, 13C5 = 94.99%

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

11/9/2022

Retest Date

11/7/2029