



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

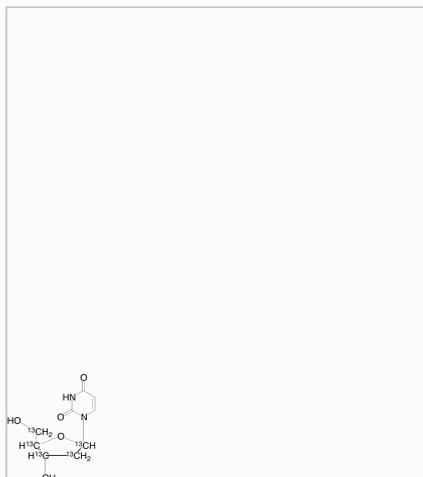
Catalogue Number: D288032

CAS Number: 478510-94-0

Product: 2'-Deoxyuridine-1',2',3',4',5'-13C5

Synonym: 1-(2-Deoxy-β-D-erythro-pentofuranosyl)uracil-1',2',3',4',5'-13C5; 2'-Desoxyuridine; Deoxyribose Uracil-1',2',3',4',5'-13C5; Deoxyuridine-1',2',3',4',5'-13C5; NSC 23615-1',2',3',4',5'-13C5; Uracil Deoxyriboside-1',2',3',4',5'-13C5;

Structure:



Molecular Formula:

C₄¹³C₅H₁₂N₂O₅

Molecular weight:

233.17

Source of Product:

N/A

Solubility:

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

Lot Number: 7-RTU-38-1

Purity: 98%

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

Storage Condition: -20°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%	99.0%
C NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.50% (265 nm)

Additional Information:

Normalized Intensity: 13C0 = 0.10%, 13C1 = 0.07%, 13C2 = 0.00%, 13C3 = 0.14%, 13C4 = 3.85%, 13C5 = 95.85%

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



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

2/21/2023

Retest Date

2/19/2027