



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number:	D445742	CAS Number:	1233921-75-9
Product:	2',2'-Difluoro-2'-deoxyuridine-13C,15N2	Synonym:	2'-Deoxy-2',2'-difluorouridine-13C,15N2 ; 2',2'-Difluorodeoxyuridine-13C,15N2;
Structure:			
			Molecular Formula: $C_8^{13}CH_{10}F_2^{15}N_2O_5$
			Molecular weight: 267.16
			Source of Product: Synthetic
			Solubility: DMSO (Slightly), Methanol (Slightly), Water (Slightly)
Lot Number:	28-MAR-9-2	Purity:	97%
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
C NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
N NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 39.66, %H: 3.88, %N: 10.40
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.78% (260 nm)
Isotopic Purity	>95%	99.7% (d0 = 0.16%)
Specific Rotation	Report Result	+45.4° (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 $\pm 2\%$. 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	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	6/15/2021	6/13/2025

