



CERTIFICATE OF ANALYSIS

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1. Identification

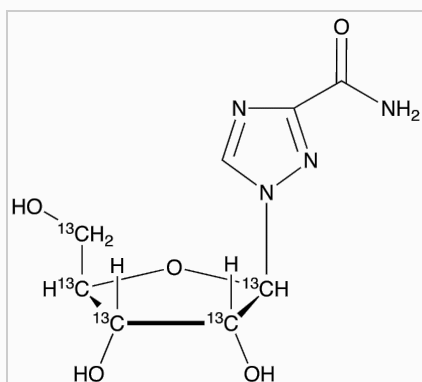
Catalogue Number: R414477

CAS Number: 1646818-35-0

Product: Ribavirin-13C5

Synonym: 1-β-D-Ribofuranosyl-1H-1,2,4-triazole-3-carboxamide-13C5; Copegus-13C5; ICN 1229-13C5; MegaRibavirin-13C5; NSC 163039-13C5; Ravanex-13C5; Rebetol-13C5; Ribamide-13C5; Ribamidil-13C5; Ribasphere-13C5; Ribavarin-13C5; Tribavirin-13C5; Vilona-13C5; Viramid-13C5; Virazole-13C5; Virizadole-13C5;

Structure:



Molecular Formula:

$C_3^{13}C_5H_{12}N_4O_5$

Molecular weight:

249.17

Source of Product:

Synthetic

Solubility:

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

Lot Number: 7-EQJ-89-1

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 Light Yellow Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 38.55, %H: 4.89, %N: 22.42
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	97.5% ($^{13}C_0 = 0.04\%$)
Specific Rotation	Report Result	-26.9° (c = 0.2, Water)
HPLC Purity	>95%	98.34% (210 nm)

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	My Nguyen	3/25/2021	3/23/2028
				