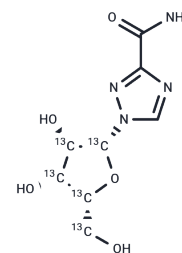


Ribavirin-13C5 (Standard)

Chemical Properties

CAS No. :	1646818-35-0
Formula:	C ₈ H ₁₂ N ₄ O ₅
Molecular Weight:	249.17
Storage:	Store at -80°C Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ribavirin-13C5 (Standard) is the standard form of Ribavirin-13C5, suitable for quantitative analysis, quality control, and related research in biochemical experiments. Ribavirin-13C5 is intended to be used as an internal standard for the quantification of ribavirin by GC- or LC-MS. Ribavirin (T0684) is an antiviral guanosine nucleoside analog. 1,2 Once it enters cells, ribavirin is metabolized into an active triphosphate form that causes viral RNA chain termination and inhibits viral polymerases. It reduces replication in a panel of seven RNA and four DNA viruses in Vero cells (EC50s = 2-95 µg/ml). 3 Ribavirin (T0684) also reduces replication of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) in Vero cells (EC50 = 109.5 µM). 4 Aerosol administration of ribavirin (30 mg/kg) reduces mortality in a mouse model of influenza A infection. 5 Formulations containing ribavirin have been used in the treatment of respiratory syncytial virus (RSV), hepatitis C virus (HCV), and viral hemorrhagic fevers.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0133 mL	20.0666 mL	40.1332 mL
5 mM	0.8027 mL	4.0133 mL	8.0266 mL
10 mM	0.4013 mL	2.0067 mL	4.0133 mL
50 mM	0.0803 mL	0.4013 mL	0.8027 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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