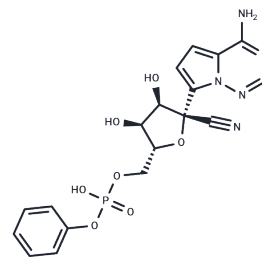


Remdesivir de(ethylbutyl 2-aminopropanoate)

Chemical Properties

CAS No. :	2607871-93-0
Formula:	C ₁₈ H ₁₈ N ₅ O ₇ P
Molecular Weight:	447.34
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Remdesivir de(ethylbutyl 2-aminopropanoate) is a recognized impurity in Remdesivir, a nucleoside analog demonstrating potent antiviral efficacy. It exhibits EC ₅₀ values of 74 nM against SARS-CoV and MERS-CoV in human airway epithelial (HAE) cells, and 30 nM against murine hepatitis virus in delayed brain tumor cells. Notably effective in vitro against SARS-CoV-2 (COVID-19) infection, Remdesivir has garnered attention for its application in controlling the spread of the virus, as supported by references [1] [2].
Targets(IC50)	Others, Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2354 mL	11.1772 mL	22.3544 mL
5 mM	0.4471 mL	2.2354 mL	4.4709 mL
10 mM	0.2235 mL	1.1177 mL	2.2354 mL
50 mM	0.0447 mL	0.2235 mL	0.4471 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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