

RU-0415529

Chemical Properties

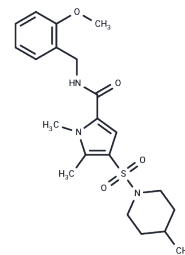
CAS No. : 1358734-35-6

Formula: C₂₁H₂₉N₃O₄S

Molecular Weight: 419.538

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	RU-0415529 is an orally active inhibitor of SARS-CoV-2 non-structural protein 14 (NSP14), with an IC ₅₀ of 356 nM. It inhibits viral RNA methylation and replication by stabilizing the cap-binding pocket through SAH binding. Additionally, RU-0415529 exhibits anti-infective activity in mouse models.
Targets(IC ₅₀)	DNA Methyltransferase,SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3836 mL	11.9178 mL	23.8356 mL
5 mM	0.4767 mL	2.3836 mL	4.7671 mL
10 mM	0.2384 mL	1.1918 mL	2.3836 mL
50 mM	0.0477 mL	0.2384 mL	0.4767 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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