

SARS-CoV-2 PLpro-IN-1

Chemical Properties

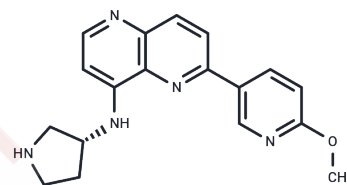
CAS No. : 3053753-61-7

Formula: C₁₈H₁₉N₅O

Molecular Weight: 321.376

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	SARS-CoV-2 PLpro-IN-1 (Compound 85) is a non-covalent competitive inhibitor of SARS-CoV-2 PLpro with an IC ₅₀ value of 15.06 μM and a K _i value of 22.93 μM. It inhibits the proliferation of Vero cells, exhibiting an IC ₅₀ of 7.47 μM.
Targets(IC ₅₀)	SARS-CoV, Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1116 mL	15.5579 mL	31.1158 mL
5 mM	0.6223 mL	3.1116 mL	6.2232 mL
10 mM	0.3112 mL	1.5558 mL	3.1116 mL
50 mM	0.0622 mL	0.3112 mL	0.6223 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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