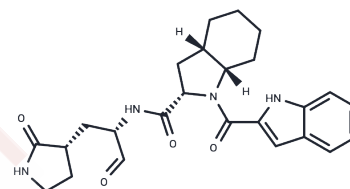


SARS-CoV-2 Mpro-IN-45

Chemical Properties

CAS No. :	2992608-40-7
Formula:	C ₂₅ H ₃₀ N ₄ O ₄
Molecular Weight:	450.53
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 Mpro-IN-45 (compound 28f) is an orally active Mpro inhibitor with IC ₅₀ values of 0.12 μM for HCoV-OC43 Mpro and 0.16 μM for SARS-CoV-2 Mpro. This compound also exhibits antiviral properties.
Targets(IC ₅₀)	SARS-CoV, Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2196 mL	11.098 mL	22.1961 mL
5 mM	0.4439 mL	2.2196 mL	4.4392 mL
10 mM	0.222 mL	1.1098 mL	2.2196 mL
50 mM	0.0444 mL	0.222 mL	0.4439 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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