

SARS-CoV-2 Mpro-IN-37

Chemical Properties

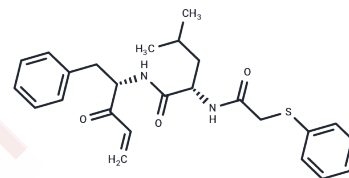
CAS No. :

Formula: C₂₅H₃₀N₂O₃S

Molecular Weight: 438.582

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-37 (compound 8r) is an inhibitor of the SARS-CoV-2 main protease (Mpro), with an IC ₅₀ value of 0.0199 μM. It exhibits IC ₅₀ values of 0.00945 μM against SARS-CoV-1 Mpro and 0.111 μM against MERS-CoV Mpro. SARS-CoV-2 Mpro-IN-37 demonstrates potent antiviral activity in the nanomolar range without showing cytotoxicity.
Targets(IC ₅₀)	SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2801 mL	11.4004 mL	22.8009 mL
5 mM	0.456 mL	2.2801 mL	4.5602 mL
10 mM	0.228 mL	1.140 mL	2.2801 mL
50 mM	0.0456 mL	0.228 mL	0.456 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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