

MPro N3

Chemical Properties

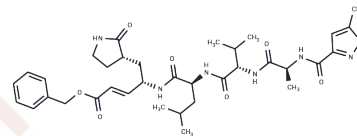
CAS No. : 884650-98-0

Formula: C₃₅H₄₈N₆O₈

Molecular Weight: 680.79

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	Coronavirus main protease (Mpro) inhibitor (respective IC ₅₀ values are 2.7, 4 and 8.8 μM for MHV-A29, HCoV-229E and FOPV replication in vitro). Inhibits viral cell infection in an MHV plaque reduction assay. Also inhibits SARS-CoV-2 viral cell entry in a plaque reduction assay (IC ₅₀ = 16.8 μM).
Targets(IC ₅₀)	Others,SARS-CoV,Virus Protease

Solubility Information

Solubility	DMSO: 34.04 mg/mL (50 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4689 mL	7.3444 mL	14.6888 mL
5 mM	0.2938 mL	1.4689 mL	2.9378 mL
10 mM	0.1469 mL	0.7344 mL	1.4689 mL
50 mM	0.0294 mL	0.1469 mL	0.2938 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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