

SARS-CoV-2 Mpro-IN-9

Chemical Properties

CAS No. : 2754370-99-3

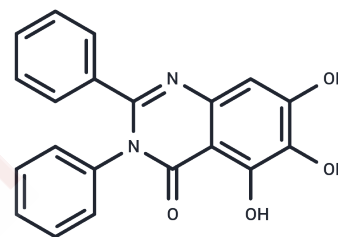
Formula: C₂₀H₁₄N₂O₄

Molecular Weight: 346.34

Keep away from direct sunlight

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-9 (compound c7), a nonpeptidic, noncovalent inhibitor of SARS-CoV-2 main protease (Mpro), exhibits potent inhibitory action (IC ₅₀ = 0.085 μM) and improved physicochemical and drug metabolism and pharmacokinetics (DMPK) properties. It effectively suppresses viral replication in SARS-CoV-2-infected Vero E6 cells (EC ₅₀ = 1.10 μM) and demonstrates low cytotoxicity (CC ₅₀ > 50 μM) [1].
Targets(IC ₅₀)	SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8873 mL	14.4367 mL	28.8734 mL
5 mM	0.5775 mL	2.8873 mL	5.7747 mL
10 mM	0.2887 mL	1.4437 mL	2.8873 mL
50 mM	0.0577 mL	0.2887 mL	0.5775 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.

Reference

Sullivan SM, et al. Vaxfectin: a versatile adjuvant for plasmid DNA- and protein-based vaccines. Expert Opin Drug Deliv. 2010 Dec;7(12):1433-46.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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