

SARS-CoV-2 3CLpro-IN-21

Chemical Properties

CAS No. :

Formula: C₁₄H₁₀BrN₃O₂S

Molecular Weight: 364.22

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 3CLpro-IN-21 (Compound D6) is an irreversible, covalent inhibitor of SARS-CoV-2 3CL pro, demonstrating potent inhibition with an IC ₅₀ of 0.03 μM. It also exhibits inhibitory activity against SARS-CoV-1 3CL pro with an IC ₅₀ of 0.12 μM [1].
Targets(IC ₅₀)	SARS-CoV, Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7456 mL	13.728 mL	27.4559 mL
5 mM	0.5491 mL	2.7456 mL	5.4912 mL
10 mM	0.2746 mL	1.3728 mL	2.7456 mL
50 mM	0.0549 mL	0.2746 mL	0.5491 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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