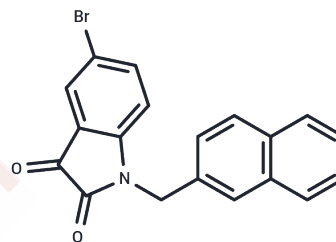


SARS-CoV-2 3CLpro-IN-20

Chemical Properties

CAS No. :	878985-00-3
Formula:	C ₁₉ H ₁₂ BrNO ₂
Molecular Weight:	366.21
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-20 is a covalent inhibitor of SARS-CoV-2 3CLpro with an IC ₅₀ of 0.43 μM and potential antiviral activity.
Targets(IC ₅₀)	Antiviral,SARS-CoV

Solubility Information

Solubility	DMSO: 3.67 mg/mL (10.02 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	2.7307 mL	13.6534 mL	27.3067 mL
5 mM	0.5461 mL	2.7307 mL	5.4613 mL
10 mM	0.2731 mL	1.3653 mL	2.7307 mL
50 mM	0.0546 mL	0.2731 mL	0.5461 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

Bao HL, et al. Design and synthesis of isatin derivatives as effective SARS-CoV-2 3CL protease inhibitors. Chem Biol Drug Des. 2023 Aug 10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481