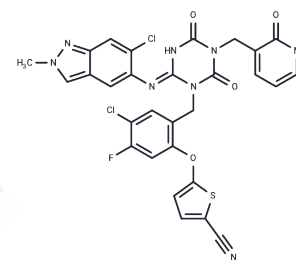


SARS-CoV-2 Mpro-IN-44

Chemical Properties

CAS No. :	3020713-53-2
Formula:	C ₂₉ H ₁₉ Cl ₂ FN ₈ O ₄ S
Molecular Weight:	665.48
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-44 (Compound 25) is a broad-spectrum inhibitor of the main protease (Mpro) for coronaviruses. It exhibits inhibitory activity against several high-risk coronaviruses, including SARS-CoV-2 and PEDV, with an IC ₅₀ of less than 0.6 μM. The broad inhibition of coronaviruses by SARS-CoV-2 Mpro-IN-44 is achieved through enhanced interaction with conserved sites of Mpro. This compound is a potential candidate for the development of antiviral drugs against coronaviruses.
Targets(IC ₅₀)	SARS-CoV, Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5027 mL	7.5134 mL	15.0267 mL
5 mM	0.3005 mL	1.5027 mL	3.0053 mL
10 mM	0.1503 mL	0.7513 mL	1.5027 mL
50 mM	0.0301 mL	0.1503 mL	0.3005 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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