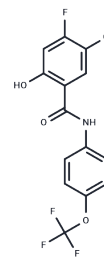


SARS-CoV-2-IN-39

Chemical Properties

CAS No. :	2882823-03-0
Formula:	C ₁₄ H ₈ ClF ₄ NO ₃
Molecular Weight:	349.66
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-IN-39 is a SARS-CoV-2 inhibitor with an EC ₅₀ of 1 μM. SARS-CoV-2-IN-39 has antiviral activity and inhibits SARS-CoV-2 by inhibiting SKP2 protein and stabilizing BECN1.
Targets(IC ₅₀)	Antiviral,SARS-CoV

Solubility Information

Solubility	DMSO: 50 mg/mL (143 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1.67 mg/mL (4.78 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8599 mL	14.2996 mL	28.5992 mL
5 mM	0.572 mL	2.8599 mL	5.7198 mL
10 mM	0.286 mL	1.430 mL	2.8599 mL
50 mM	0.0572 mL	0.286 mL	0.572 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

Li R, et al. Synthesis, cytotoxicity, and pharmacokinetic evaluations of niclosamide analogs for anti-SARS-CoV-2. Eur J Med Chem. 2023;253:115320.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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