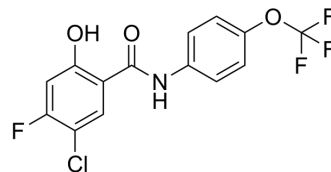


SARS-CoV-2-IN-39

Cat. No.:	HY-149954
CAS No.:	2882823-03-0
Molecular Formula:	C ₁₄ H ₈ ClF ₄ NO ₃
Molecular Weight:	349.66
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (143.00 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mM	
			1 mg	5 mg	10 mg
	1 mM		2.8599 mL	14.2996 mL	28.5992 mL
	5 mM		0.5720 mL	2.8599 mL	5.7198 mL
	10 mM		0.2860 mL	1.4300 mL	2.8599 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (3.57 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	SARS-CoV-2-IN-39 (compound 21) is a SARS-CoV-2 inhibitor with an EC ₅₀ of 1 μM. SARS-CoV-2-IN-39 against SARS-CoV-2 by inhibiting of SKP2 protein and stabilizing BECN1 ^[1] .
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REFERENCES

[1]. Rui Li, et al. Synthesis, cytotoxicity, and pharmacokinetic evaluations of niclosamide analogs for anti-SARS-CoV-2. Eur J Med Chem. 2023 May 5;253:115320.

Caution: Product has not been fully validated for medical applications. For research use only.

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