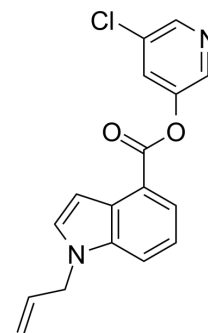


SARS-CoV-2-IN-6

Cat. No.:	HY-132886		
Molecular Formula:	C ₁₇ H ₁₃ ClN ₂ O ₂		
Molecular Weight:	312.75		
Target:	SARS-CoV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (319.74 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.1974 mL	15.9872 mL	31.9744 mL
		5 mM		0.6395 mL	3.1974 mL	6.3949 mL
10 mM		0.3197 mL	1.5987 mL	3.1974 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.99 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.99 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.99 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	SARS-CoV-2-IN-6 is a SARS-CoV-2 3CLpro inhibitor that shows the most potent enzyme inhibitory IC ₅₀ value of 73 nM.
--------------------	--

REFERENCES

[1]. Ghosh AK, et al. Indole Chloropyridinyl Ester-Derived SARS-CoV-2 3CLpro Inhibitors: Enzyme Inhibition, Antiviral Efficacy, Structure-Activity Relationship, and X-ray Structural Studies. *J Med Chem.* 2021 Oct 14;64(19):14702-14714.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA