SARS-CoV-2-IN-6

Cat. No.: HY-132886

CAS No.: 2725749-22-2

Molecular Formula: $C_{17}H_{13}ClN_2O_2$

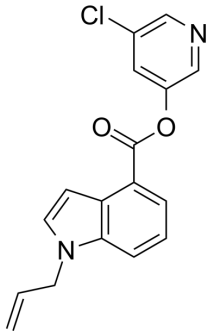
Molecular Weight: 312.75

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 / Concentration	1 mg	5 mg	10 mg
	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

1. 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
2. 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
3. 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

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