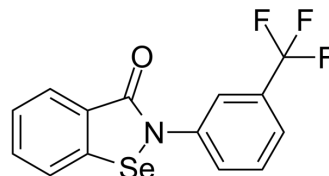


## SARS-CoV-2-IN-7

Cat. No.:	HY-141841		
CAS No.:	2570461-66-2		
Molecular Formula:	C <sub>14</sub> H <sub>8</sub> F <sub>3</sub> N <sub>1</sub> OSe		
Molecular Weight:	342.17		
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 : 250 mg/mL (730.63 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.9225 mL	14.6126 mL	29.2252 mL
	5 mM	0.5845 mL	2.9225 mL	5.8450 mL
	10 mM	0.2923 mL	1.4613 mL	2.9225 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: ≥ 2.08 mg/mL (6.08 mM); Clear solution			

### BIOLOGICAL ACTIVITY

Description	SARS-CoV-2-IN-7 inhibits viral replication with a nanomolar IC <sub>50</sub> value (844 nM) in SARS-CoV-2-infected Vero E6 cells.
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### REFERENCES

[1]. Huff S, et al. Discovery and Mechanism of SARS-CoV-2 Main Protease Inhibitors. J Med Chem. 2021 Sep 27;acs.jmedchem.1c00566.

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

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