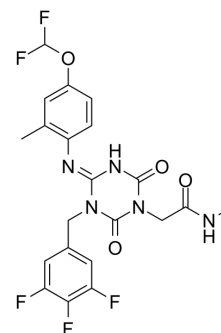


## SARS-CoV-2 3CLpro-IN-2

Cat. No.:	HY-146998
CAS No.:	2765088-93-3
Molecular Formula:	C <sub>21</sub> H <sub>18</sub> F <sub>5</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	499.39
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (200.24 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions	1 mM	2.0024 mL	10.0122 mL
		5 mM	2.0024 mL	4.0049 mL
		10 mM	0.2002 mL	1.0012 mL
			10 mg	2.0024 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 (5.01 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.01 mM); Clear solution			

### BIOLOGICAL ACTIVITY

Description	SARS-CoV-2 3CLpro-IN-2 (Compound 1) is a potent inhibitor of 3CL protease. SARS-CoV-2 3CLpro-IN-2 has the potential for the research of SARS-CoV-2 diseases <sup>[1]</sup> .
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### REFERENCES

[1]. Tyndall JDA. S-217622, a 3CL Protease Inhibitor and Clinical Candidate for SARS-CoV-2. J Med Chem. 2022 May 12;65(9):6496-6498.

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

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