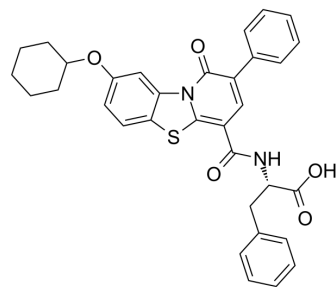


RdRP-IN-2

Cat. No.:	HY-139442		
CAS No.:	2863657-16-1		
Molecular Formula:	C ₃₃ H ₃₀ N ₂ O ₅ S		
Molecular Weight:	566.67		
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 (176.47 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7647 mL	8.8235 mL	17.6470 mL
5 mM	0.3529 mL	1.7647 mL	3.5294 mL
10 mM	0.1765 mL	0.8823 mL	1.7647 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

RdRP-IN-2 is a RNA dependent RNA polymerase (RdRp) inhibitor. RdRP-IN-2 significantly inhibits SARS-CoV-2 RdRp with an IC₅₀ of 41.2 μM. RdRP-IN-2 also inhibits Feline coronavirus (FIPV) replication^[1].

In Vitro

RdRP-IN-2 (Compound 17) completely inhibits the replication of both SARS-CoV-2 and Feline coronavirus (FIPV). RdRP-IN-2 is not cytotoxic for Vero and CRFK cells^[1].

RdRP-IN-2 (Compound 17) shows anti-SARS-CoV-2 activities with an EC₅₀ value of 527.3 nM in Vero cells^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Milan Dejmeek, et al. Non-Nucleotide RNA-Dependent RNA Polymerase Inhibitor That Blocks SARS-CoV-2 Replication. *Viruses*. 2021 Aug 11;13(8):1585.

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

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