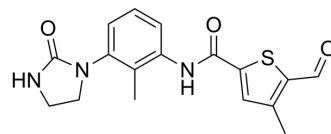


SARS-CoV-2 nsp14-IN-3

Cat. No.:	HY-149321	
CAS No.:	2920574-16-7	
Molecular Formula:	C ₁₇ H ₁₇ N ₃ O ₃ S	
Molecular Weight:	343.4	
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 (291.21 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9121 mL	14.5603 mL	29.1206 mL
	5 mM	0.5824 mL	2.9121 mL	5.8241 mL
	10 mM	0.2912 mL	1.4560 mL	2.9121 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 5 mg/mL (14.56 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 5 mg/mL (14.56 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 5 mg/mL (14.56 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

SARS-CoV-2 nsp14-IN-3 (4975) is an inhibitor of the SARS-CoV-2 Nsp14 N7-Methyltransferase (IC₅₀: 3.5 μM)^[1].

REFERENCES

[1]. Singh I, et al. Structure-Based Discovery of Inhibitors of the SARS-CoV-2 Nsp14 N7-Methyltransferase. J Med Chem. 2023 Jun 22;66(12):7785-7803.

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

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