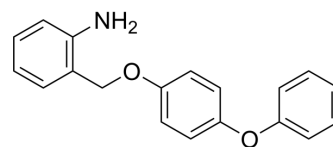


MERS-CoV-IN-1

Cat. No.:	HY-139908		
CAS No.:	2245697-92-9		
Molecular Formula:	C ₁₉ H ₁₇ NO ₂		
Molecular Weight:	291.34		
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 (858.10 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.4324 mL	17.1621 mL	34.3242 mL
	5 mM	0.6865 mL	3.4324 mL	6.8648 mL
	10 mM	0.3432 mL	1.7162 mL	3.4324 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: ≥ 2.08 mg/mL (7.14 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (7.14 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (7.14 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

MERS-CoV-IN-1 exhibits excellent inhibitory activity against coronavirus. MERS-CoV-IN-1 is useful as a pharmaceutical composition for preventing coronavirus-induced diseases (MERS-CoV and SARS) (extracted from patent WO2018174442A1, compound 1)^[1].

IC₅₀ & Target

MERS-CoV and SARS^[1]

REFERENCES

[1]. Compound for treating diseases caused by coronavirus infection. Patent WO2018174442A1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA