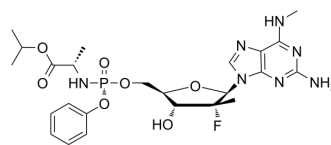


Arbemnifosbuvir

Cat. No.:	HY-156597
CAS No.:	1998705-63-7
Molecular Formula:	C ₂₄ H ₃₃ FN ₇ O ₇ P
Molecular Weight:	581.53
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 (171.96 mM; Need ultrasonic)				
		Solvent	Mass		
	Preparing Stock Solutions	Concentration	1 mg	5 mg	10 mg
		1 mM	1.7196 mL	8.5980 mL	17.1960 mL
		5 mM	0.3439 mL	1.7196 mL	3.4392 mL
10 mM		0.1720 mL	0.8598 mL	1.7196 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.30 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.30 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.30 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Arbemnifosbuvir is a nidovirus DdRp-associated nucleotidyltransferase (NiRAN) domain of non-structural protein 12 (nsp12)-interfering drugs. Arbemnifosbuvir can be used for SARS-CoVs infection research ^[1] .
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REFERENCES

[1]. Sommadossi, J.P, et al. Niran interfering drugs for sars-cov-2 mutant therapy. The United States, WO2022076903 A1 2022-14-04.

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