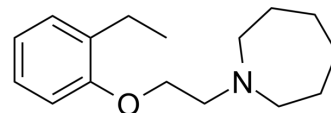


MBX2329

Cat. No.:	HY-131069A
CAS No.:	1438272-42-4
Molecular Formula:	C ₁₆ H ₂₆ ClNO
Molecular Weight:	283.84
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



H-Cl

SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (880.78 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.5231 mL	17.6156 mL	35.2311 mL
		5 mM	0.7046 mL	3.5231 mL	7.0462 mL
	10 mM	0.3523 mL	1.7616 mL	3.5231 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: ≥ 2.08 mg/mL (7.33 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.33 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.33 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	MBX2329, a potent influenza virus inhibitor, specifically inhibits hemagglutinin (HA)-mediated viral entry with HIV/HA(H5) displaying IC ₅₀ of 8.6 μM. MBX2329 inhibits a wide spectrum of influenza A viruses, which includes the 2009 pandemic influenza virus A/H1N1/2009, highly pathogenic avian influenza (HPAI) virus A/H5N1, and oseltamivir-resistant A/H1N1 strains ^[1] .
-------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

REFERENCES

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