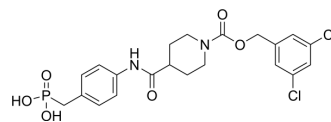


ATX inhibitor 1

Cat. No.:	HY-111410		
CAS No.:	2225892-70-4		
Molecular Formula:	C ₂₁ H ₂₃ Cl ₂ N ₂ O ₆ P		
Molecular Weight:	501.3		
Target:	Phosphodiesterase (PDE)		
Pathway:	Metabolic Enzyme/Protease		
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 (498.70 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.9948 mL	9.9741 mL	19.9481 mL
	5 mM	0.3990 mL	1.9948 mL	3.9896 mL
	10 mM	0.1995 mL	0.9974 mL	1.9948 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: ≥ 2.08 mg/mL (4.15 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.15 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.15 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	ATX inhibitor 1 is a potent ATX (IC ₅₀ =1.23 nM, FS-3 and 2.18 nM, bis-pNPP) inhibitor.
IC₅₀ & Target	IC ₅₀ : 1.23 nM (FS-3) and 2.18 nM (bis-pNPP) ^[1]

REFERENCES

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

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