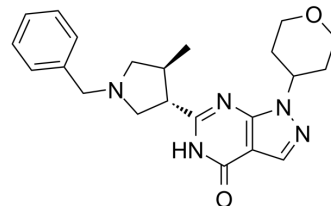


PDE-9 inhibitor

Cat. No.:	HY-50865		
CAS No.:	1082743-70-1		
Molecular Formula:	C ₂₂ H ₂₇ N ₅ O ₂		
Molecular Weight:	393.48		
Target:	Phosphodiesterase (PDE)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (254.14 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration	1 mg	5 mg	10 mg
	1 mM	2.5414 mL	12.7071 mL	25.4143 mL
	5 mM	0.5083 mL	2.5414 mL	5.0829 mL
	10 mM	0.2541 mL	1.2707 mL	2.5414 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 3.25 mg/mL (8.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 3.25 mg/mL (8.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PDE-9 inhibitor is useful for neurodegenerative diseases.

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

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