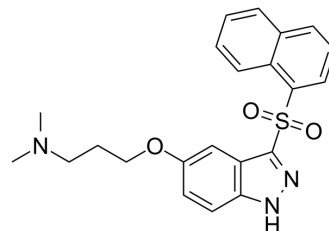


Cerlapirdine

Cat. No.:	HY-14431
CAS No.:	925448-93-7
Molecular Formula:	C ₂₂ H ₂₃ N ₃ O ₃ S
Molecular Weight:	409.5
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 41.67 mg/mL (101.76 mM); ultrasonic and warming and adjust pH to 3 with HCl and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.4420 mL	12.2100 mL	24.4200 mL
				5 mM	0.4884 mL	2.4420 mL	4.8840 mL
10 mM				0.2442 mL	1.2210 mL	2.4420 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 (5.08 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.08 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Cerlapirdine (SAM-531, PF-05212365) is a selective and potent full antagonist of the 5-hydroxytryptamine 6 (5-HT ₆) receptor. Cerlapirdine has the potential for researching the Alzheimer's disease ^[1] .
IC ₅₀ & Target	5-HT ₆ Receptor

REFERENCES

[1]. Tse S, et al. Disposition and metabolic profiling of [(14)C]cerlapirdine using accelerator mass spectrometry. Drug Metab Dispos. 2014;42(12):2023-2032.

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

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