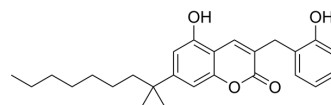


PSB-SB-487

Cat. No.:	HY-125111		
CAS No.:	1399049-81-0		
Molecular Formula:	C ₂₆ H ₃₂ O ₄		
Molecular Weight:	408.53		
Target:	GPR55; Cannabinoid Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
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 : 100 mg/mL (244.78 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.4478 mL	12.2390 mL	24.4780 mL
	5 mM	0.4896 mL	2.4478 mL	4.8956 mL
	10 mM	0.2448 mL	1.2239 mL	2.4478 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: ≥ 2.5 mg/mL (6.12 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.12 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	PSB-SB-487 is a potent GPR55 antagonist and CB ₂ agonist with an IC ₅₀ value of 0.113 μM for GPR55, and a K _i value of 0.292 μM for human CB ₂ . PSB-SB-487 can be used for researching diabetes, Parkinson's disease, neuropathic pain, and cancer ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.113 μM (GPR55) ^[1] K _i : 0.292 μM (CB ₂) ^[1]

REFERENCES

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

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