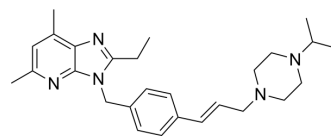


GPR4 antagonist 1

Cat. No.:	HY-101536		
CAS No.:	1197879-16-5		
Molecular Formula:	C ₂₇ H ₃₇ N ₅		
Molecular Weight:	431.62		
Target:	GPR4		
Pathway:	GPCR/G Protein		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (289.61 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.3169 mL	11.5843 mL	23.1685 mL
				5 mM	0.4634 mL	2.3169 mL	4.6337 mL
10 mM				0.2317 mL	1.1584 mL	2.3169 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 (4.82 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (4.82 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.82 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	GPR4 antagonist 1 is a GPR4 antagonist, with an IC ₅₀ of 189 nM.
IC ₅₀ & Target	IC ₅₀ : 189 nM (GPR4) ^[1] .

REFERENCES

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

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