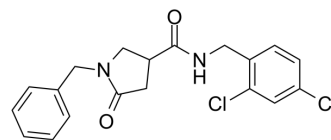


P2X7 receptor antagonist-2

Cat. No.:	HY-150059		
CAS No.:	851269-75-5		
Molecular Formula:	C ₁₉ H ₁₈ Cl ₂ N ₂ O ₂		
Molecular Weight:	377.26		
Target:	P2X Receptor		
Pathway:	Membrane Transporter/Ion Channel		
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 : 100 mg/mL (265.07 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6507 mL	13.2535 mL	26.5069 mL
		5 mM	0.5301 mL	2.6507 mL	5.3014 mL
10 mM		0.2651 mL	1.3253 mL	2.6507 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 (6.63 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.63 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	P2X7 receptor antagonist-2 is a potent P2X7 receptor antagonist with a pIC ₅₀ value of 6.5-7.5. P2X7 receptor antagonist-2 has efficacy of combating neuroinflammation ^[1] .
IC₅₀ & Target	pIC ₅₀ 6.5-7.5 (P2X7 receptor) ^[1]

REFERENCES

[1]. Steadman JGA, et, al. 5-oxo-3-pyrrolidinecarboxamide derivatives as p2x7 modulators. WO2009077559A2

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

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