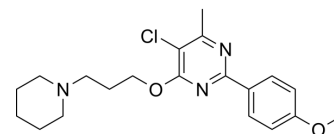


Sigma-1 receptor antagonist 2

Cat. No.:	HY-125819		
CAS No.:	1639220-15-7		
Molecular Formula:	C ₂₀ H ₂₆ ClN ₃ O ₂		
Molecular Weight:	375.89		
Target:	Sigma Receptor		
Pathway:	Neuronal Signaling		
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 : 86.67 mg/mL (230.57 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6604 mL	13.3018 mL	26.6035 mL
		5 mM	0.5321 mL	2.6604 mL	5.3207 mL
10 mM		0.2660 mL	1.3302 mL	2.6604 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: ≥ 2.17 mg/mL (5.77 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.17 mg/mL (5.77 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Sigma-1 receptor antagonist 2 is a potent and selective sigma 1 receptor (σ_1 R) antagonist with K _s of 3.88 and 1288 nM for σ_1 and σ_2 receptor, respectively ^[1] .
IC ₅₀ & Target	Sigma 1 Receptor

REFERENCES

[1]. Lan Y, et al. Synthesis and biological evaluation of novel sigma-1 receptor antagonists based on pyrimidine scaffold as agents for treating neuropathic pain. J Med

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA