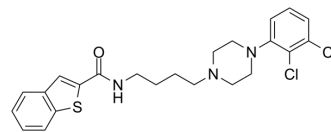


FAUC 365

Cat. No.:	HY-116020		
CAS No.:	474432-66-1		
Molecular Formula:	C ₂₃ H ₂₅ Cl ₂ N ₃ OS		
Molecular Weight:	462.44		
Target:	Dopamine 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 : 33.33 mg/mL (72.07 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1624 mL	10.8122 mL	21.6244 mL
5 mM	0.4325 mL	2.1624 mL	4.3249 mL
10 mM	0.2162 mL	1.0812 mL	2.1624 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (5.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.41 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

FAUC 365 is a highly dopamine D3 receptor-selective antagonist with K_i values of 0.5 nM, 340, 2600, and 3600 nM at D3, D4.4, D2_{short}, and D2_{Long} receptors, respectively. FAUC 365 can be used for the research of schizophrenia, and Parkinson's disease [1][2].

REFERENCES

- [1]. Philip Seeman, et al. Dopamine D2 and D3 receptors in human putamen, caudate nucleus, and globus pallidus. Synapse. 2006 Sep 1;60(3):205-11.

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

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