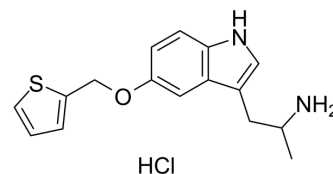


BW-723C86

Cat. No.:	HY-101369
CAS No.:	160521-72-2
Molecular Formula:	C ₁₆ H ₁₉ ClN ₂ OS
Molecular Weight:	322.85
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (309.74 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0974 mL	15.4871 mL	30.9741 mL
		5 mM		0.6195 mL	3.0974 mL	6.1948 mL
10 mM		0.3097 mL	1.5487 mL	3.0974 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (15.49 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (15.49 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (15.49 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	BW-723C86 is a potent and a selective 5-HT _{2B} receptor agonist. BW-723C86 exhibits anxiolytic-like actions. BW-723C86 also causes hyperphagia and reduced grooming in rats ^{[1][2][3]} .
IC₅₀ & Target	5-HT _{2B} Receptor

REFERENCES

[1]. Kennett GA, et, al. BW 723C86, a 5-HT_{2B} receptor agonist, causes hyperphagia and reduced grooming in rats. *Neuropharmacology*. 1997 Feb;36(2):233-9.

[2]. Kennett GA, et, al. Anxiolytic-like actions of BW 723C86 in the rat Vogel conflict test are 5-HT_{2B} receptor mediated. *Neuropharmacology*. 1998 Dec;37(12):1603-10.

[3]. Matsumoto T, et, al. Effect of Equol on Vasocontractions in Rat Carotid Arteries Treated with High Insulin. *Biol Pharm Bull*. 2019;42(6):1048-1053.

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

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