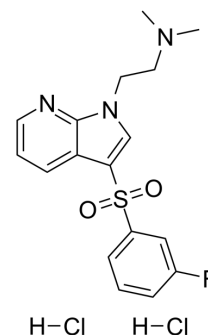


WAY208466 dihydrochloride

Cat. No.:	HY-103133		
CAS No.:	1207064-61-6		
Molecular Formula:	C ₁₇ H ₂₀ Cl ₂ FN ₃ O ₂ S		
Molecular Weight:	420.33		
Target:	5-HT 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 : 100 mg/mL (237.91 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		2.3791 mL	11.8954 mL	23.7908 mL
		5 mM		0.4758 mL	2.3791 mL	4.7582 mL
10 mM			0.2379 mL	1.1895 mL	2.3791 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: ≥ 2.5 mg/mL (5.95 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.95 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.95 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	WAY 208466 dihydrochloride is a potent and selective 5-HT ₆ receptor agonist (EC ₅₀ =7.3 nM for the human 5-HT ₆ receptor). WAY-208466 dihydrochloride elevates cortical GABA levels in rat frontal cortex ^[1] . WAY 208466 dihydrochloride exhibits antidepressant and anxiolytic-like effects ^[2] .
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REFERENCES

[1]. Schechter LE, et al. Neuropharmacological profile of novel and selective 5-HT6 receptor agonists: WAY-181187 and WAY-208466. *Neuropsychopharmacology*. 2008 May;33(6):1323-35.

[2]. Carr GV, Schechter LE, Lucki I. Antidepressant and anxiolytic effects of selective 5-HT6 receptor agonists in rats. *Psychopharmacology (Berl)*. 2011 Feb;213(2-3):499-507.

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

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