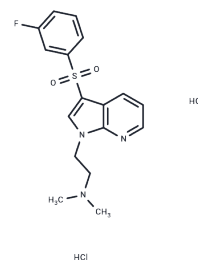


WAY208466 dihydrochloride

Chemical Properties

CAS No. :	1207064-61-6
Formula:	C ₁₇ H ₂₀ Cl ₂ FN ₃ O ₂ S
Molecular Weight:	420.33
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	WAY208466 dihydrochloride is a selective and potent 5-HT ₆ receptor agonist (EC ₅₀ =7.3 nM) with antidepressant and anxiolytic activity, which can be used for the study of neurological disorders such as depression and anxiety.
Targets(IC ₅₀)	5-HT Receptor
In vitro	WAY-208466 binds to the human 5-HT ₆ receptor with high affinity (K _{iz} value 4.8 nM) and acts as a full receptor agonist (EC ₅₀ value 7.3 nM; E _{max} value 100%). [1]
In vivo	METHODS: Rats were treated with WAY-208466 (10 mg/kg, subcutaneously, daily, for 14 days) to evaluate the neurochemical effects of chronic 5-HT ₆ receptor stimulation. RESULTS: WAY-208466 resulted in a robust and significant increase in extracellular GABA levels. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (190.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (7.85 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0476 mL	0.2379 mL	0.4758 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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