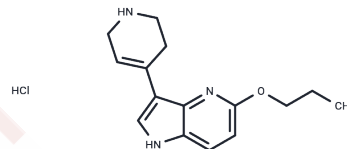


CP94253 hydrochloride

Chemical Properties

CAS No. :	845861-39-4
Formula:	C ₁₅ H ₂₀ ClN ₃ O
Molecular Weight:	293.79
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	CP94253 hydrochloride (CP 94253 hydrochloride) is a potent, selective and centrally active agonist of 5-HT _{1B} receptor with K _i of 2 nM. The K _i s are 89, 49, 860, and 1600 nM for 5-HT _{1A} , 5-HT _{1D} , 5-HT _{1C} and 5-HT ₂ receptors, respectively.
Targets(IC ₅₀)	5-HT Receptor

Solubility Information

Solubility	H ₂ O: < 7.34 mg/mL, Sonication is recommended. DMSO: 120 mg/mL (408.46 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: 4 mg/mL (13.62 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	3.4038 mL	17.019 mL	34.0379 mL
5 mM	0.6808 mL	3.4038 mL	6.8076 mL
10 mM	0.3404 mL	1.7019 mL	3.4038 mL
50 mM	0.0681 mL	0.3404 mL	0.6808 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

Knobelman DA, Kung HF, Lucki I. Regulation of extracellular concentrations of 5-hydroxytryptamine (5-HT) in mouse striatum by 5-HT(1A) and 5-HT(1B) receptors. J Pharmacol Exp Ther. 2000 Mar;292(3):1111-7

Koe et al (1992) Biochemical and behavioral studies of the 5-HT1B receptor agonist, CP-94,253. Drug Dev.Res. 26 241

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