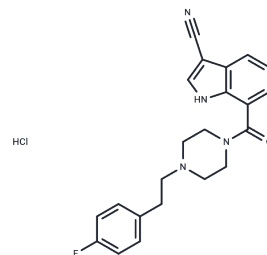


Pruvanserin hydrochloride

Chemical Properties

CAS No. :	443144-27-2
Formula:	C ₂₂ H ₂₂ ClFN ₄ O
Molecular Weight:	412.89
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	Pruvanserin hydrochloride (EMD 281014 HCl) is an inverse and selective 5-HT _{2A} receptor antagonist with IC ₅₀ values of 0.35 nM and 1 nM for human and rat 5-HT _{2A} receptors, respectively. Pruvanserin hydrochloride inhibits GTP-gamma-S accumulation and alleviates tactile allodynia in diabetic rats, making it suitable for studies on Parkinson's disease, insomnia, and schizophrenia.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	Ethanol: < 8 mg/mL, Sonication is recommended. DMSO: < 32 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.422 mL	12.1098 mL	24.2195 mL
5 mM	0.4844 mL	2.422 mL	4.8439 mL
10 mM	0.2422 mL	1.211 mL	2.422 mL
50 mM	0.0484 mL	0.2422 mL	0.4844 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

Bartoszyk GD, et al. EMD 281014, a new selective serotonin 5-HT_{2A} receptor antagonist. Eur J Pharmacol. 2003 Jul 25;473(2-3):229-30.

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