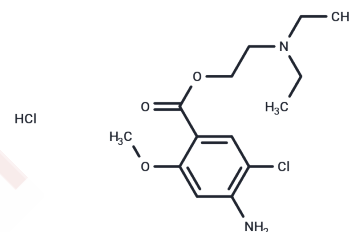


SDZ 205-557 hydrochloride

Chemical Properties

CAS No. :	1197334-02-3
Formula:	C ₁₄ H ₂₂ Cl ₂ N ₂ O ₃
Molecular Weight:	337.24
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	SDZ 205-557 hydrochloride is a selective 5-HT ₄ receptor antagonist that effectively blocks serotonin-mediated signaling, SDZ 205-557 hydrochloride is widely applied in neurological and gastrointestinal research to study 5-HT ₄ receptor function, neurotransmission modulation, cognitive processes, and receptor-specific pharmacology in both in vitro and in vivo experimental systems.
Targets(IC ₅₀)	Histamine Receptor

Solubility Information

Solubility	H ₂ O: <33.73 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	2.9652 mL	14.8262 mL	29.6525 mL
5 mM	0.593 mL	2.9652 mL	5.9305 mL
10 mM	0.2965 mL	1.4826 mL	2.9652 mL
50 mM	0.0593 mL	0.2965 mL	0.593 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

Buchheit KH, et al. SDZ 205-557, a selective antagonist at 5-HT₄ receptors in the isolated guinea pig ileum. Eur J Pharmacol. 1991 Aug 6;200(2-3):373-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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