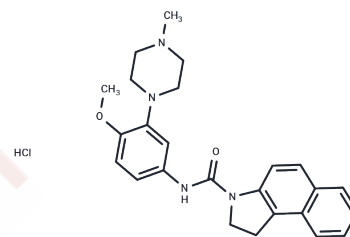


S 32212 hydrochloride

Chemical Properties

CAS No. :	847871-78-7
Formula:	C ₂₅ H ₂₉ ClN ₄ O ₂
Molecular Weight:	452.98
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	S 32212 hydrochloride is a high-affinity inverse agonist at the 5-HT _{2C} receptor (pK _i = 8.18) and an antagonist at the α ₂ -adrenergic receptor (K _i = 5.8 nM), potentiating norepinephrine with antidepressant and anxiolytic effects.
Targets(IC ₅₀)	5-HT Receptor

Solubility Information

Solubility	H ₂ O: 80 mg/mL (176.61 mM), Sonication is recommended. DMSO: 80 mg/mL (176.61 mM), 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	2.2076 mL	11.038 mL	22.076 mL
5 mM	0.4415 mL	2.2076 mL	4.4152 mL
10 mM	0.2208 mL	1.1038 mL	2.2076 mL
50 mM	0.0442 mL	0.2208 mL	0.4415 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

Millan, et al. S32212, a novel serotonin type 2C receptor inverse agonist/α₂-adrenoceptor antagonist and potential antidepressant: I. A mechanistic characterization. J. Pharmacol. Exp. Ther. 340(3), 750-764 (2012).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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