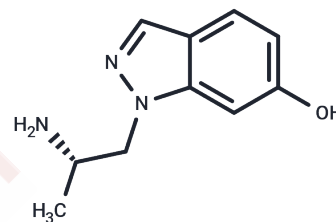


AL 34662

Chemical Properties

CAS No. : 210580-75-9
 Formula: C₁₀H₁₃N₃O
 Molecular Weight: 191.23
 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	AL 34662 is a selective and potent 5-HT _{2A} receptor agonist with IC ₅₀ s of 0.77 nM and 1.5 nM for rat and human 5-HT ₂ receptors, respectively. AL 34662 is also a low affinity α -1D adrenergic agonist, with an EC ₅₀ of 0.4 μ M. AL 34662 can be used to lower intraocular pressure.
Targets(IC ₅₀)	5-HT Receptor, Adrenergic Receptor

Solubility Information

Solubility	DMSO: 60 mg/mL (313.76 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	5.2293 mL	26.1465 mL	52.2931 mL
5 mM	1.0459 mL	5.2293 mL	10.4586 mL
10 mM	0.5229 mL	2.6147 mL	5.2293 mL
50 mM	0.1046 mL	0.5229 mL	1.0459 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

Asano T, et al. Ameliorative effect of chlorpromazine hydrochloride on visceral hypersensitivity in rats: possible involvement of 5-HT_{2A} receptor. Br J Pharmacol. 2017 Oct;174(19):3370-3381.

Sharif NA, et al. AL-34662: a potent, selective, and efficacious ocular hypotensive serotonin-2 receptor agonist. J Ocul Pharmacol Ther. 2007 Feb;23(1):1-13.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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