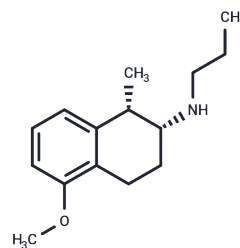


(+) -AJ-76

Chemical Properties

CAS No. : 85379-09-5
 Formula: C₁₅H₂₃NO
 Molecular Weight: 233.35
 High Volatility
 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	(+) -AJ-76 is an antagonist of the dopamine autoreceptor, with a weak antagonistic effect on postsynaptic dopamine receptors. (+)-AJ 76 HCl can increase the synthesis and turnover of dopamine in the rat brain, and can also antagonize the sedative effect of low-dose apomorphine.
Targets(IC50)	Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2854 mL	21.427 mL	42.8541 mL
5 mM	0.8571 mL	4.2854 mL	8.5708 mL
10 mM	0.4285 mL	2.1427 mL	4.2854 mL
50 mM	0.0857 mL	0.4285 mL	0.8571 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

- Svensson K, et al. (+)-AJ 76 and (+)-UH 232: central stimulants acting as preferential dopamine autoreceptor antagonists. *Naunyn Schmiedeberg Arch Pharmacol.* 1986 Nov;334(3):234-45.
 Kullingsjö H, et al. Effects of repeated administration of the preferential dopamine autoreceptor antagonist, (+)-AJ76, on locomotor activity and brain DA metabolism in the rat. *Eur J Pharmacol.* 1991;205(3):241-246.

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