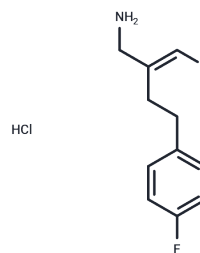


Mofegiline hydrochloride

Chemical Properties

CAS No. :	120635-25-8
Formula:	C ₁₁ H ₁₄ ClF ₂ N
Molecular Weight:	233.69
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	Mofegiline hydrochloride is a potent and selective enzyme-activated irreversible MAO-B inhibitor.
Targets(IC50)	Others, Monoamine Oxidase

Solubility Information

Solubility	H ₂ O: 39 mg/mL (166.89 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	4.2792 mL	21.3959 mL	42.7917 mL
5 mM	0.8558 mL	4.2792 mL	8.5583 mL
10 mM	0.4279 mL	2.1396 mL	4.2792 mL
50 mM	0.0856 mL	0.4279 mL	0.8558 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

Zreika M, et al. MDL 72,974: a potent and selective enzyme-activated irreversible inhibitor of monoamine oxidase type B with potential for use in Parkinson's disease. *J Neural Transm Park Dis Dement Sect.* 1989;1(4):243-54.

Yu PH, et al. Inhibition of a type B monoamine oxidase inhibitor, (E)-2-(4-fluorophenethyl)-3-fluoroallylamine (MDL-72974A), on semicarbazide-sensitive amine oxidases isolated from vascular tissues and sera of different species. *Biochem Pharmacol.* 1992 Jan 22;43(2):307-12.

Dow J, et al. Novel carbamate metabolites of mofegiline, a primary amine monoamine oxidase B inhibitor, in dogs and humans. *Drug Metab Dispos.* 1994 Sep-Oct;22(5):738-49.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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