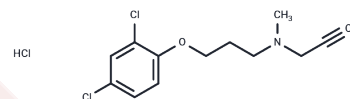


Clorgyline hydrochloride

Chemical Properties

CAS No. :	17780-75-5
Formula:	C ₁₃ H ₁₅ Cl ₂ NO·HCl
Molecular Weight:	308.63
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	Clorgyline hydrochloride (Clorgiline hydrochloride), a white powder, is served as monoamine oxidase inhibitor.
Targets(IC50)	MAO, Monoamine Oxidase

Solubility Information

Solubility	DMSO: 4.17 mg/mL (13.51 mM), Sonication is recommended. Ethanol: 100 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (3.24 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2401 mL	16.2006 mL	32.4013 mL
5 mM	0.648 mL	3.2401 mL	6.4803 mL
10 mM	0.324 mL	1.6201 mL	3.2401 mL
50 mM	0.0648 mL	0.324 mL	0.648 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

Fowler CJ, et al. J Pharm Pharmacol. 1981 Jun;33(6):341-7.

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