

Pargyline

Chemical Properties

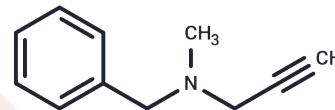
CAS No. : 555-57-7

Formula: C₁₁H₁₃N

Molecular Weight: 159.23

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Pargyline (Pargylamine) is a monoamine oxidase inhibitor with antihypertensive properties.
Targets(IC ₅₀)	MAO, Monoamine Oxidase

Solubility Information

Solubility	DMSO: 250 mg/mL (1570.06 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: 2 mg/mL (12.56 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	6.2802 mL	31.4011 mL	62.8022 mL
5 mM	1.256 mL	6.2802 mL	12.5604 mL
10 mM	0.628 mL	3.1401 mL	6.2802 mL
50 mM	0.1256 mL	0.628 mL	1.256 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

Patkar AA, et al. CNS Spectr. 2006, 11(5):363-75.

Zhang Q, Guo X, Xie C, et al. Unravelling the metabolic pathway of choline-TMA-TMAO: effects of gypenosides and implications for the therapy of TMAO related diseases. Pharmacological Research. 2021: 105884.

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