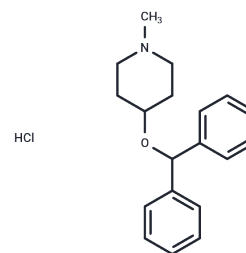


Diphenylpyraline hydrochloride

Chemical Properties

CAS No. :	132-18-3
Formula:	C ₁₉ H ₂₃ NO·HCl
Molecular Weight:	317.85
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	Diphenylpyraline hydrochloride (4-Diphenylmethoxy-1-methylpiperidine hydrochloride) is used in the treatment of Parkinsonism. It is a first-generation antihistamine with anticholinergic effects, functions as a dopamine reuptake inhibitor.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (173.04 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 (6.29 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	3.1461 mL	15.7307 mL	31.4614 mL
5 mM	0.6292 mL	3.1461 mL	6.2923 mL
10 mM	0.3146 mL	1.5731 mL	3.1461 mL
50 mM	0.0629 mL	0.3146 mL	0.6292 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

Lapa GB, et al. Eur J Pharmacol. 2005, 506(3):237-40.

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