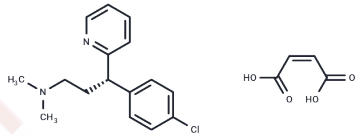
Data Sheet (Cat.No.T0785)

TargetMol

Dexchlorpheniramine Maleate

Chemical Properties



CAS No. : 2438-32-6

Formula: C20H23ClN2O4

Molecular Weight: 390.86

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	Dexchlorpheniramine Maleate (S-(+)-Chlorpheniramine maleate salt) is an antihistamine with anticholinergic properties used to treat allergic conditions such as hay fever or urticaria. It is the pharmacologically active dextrorotatory isomer of chlorpheniramine.
Targets(IC50)	5-HT Receptor,Norepinephrine,Histamine Receptor,Dopamine Receptor

Solubility Information

Solubility	DMSO: 45 mg/mL (115.13 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 (5.12 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5585 mL	12.7923 mL	25.5846 mL
5 mM	0.5117 mL	2.5585 mL	5.1169 mL
10 mM	0.2558 mL	1.2792 mL	2.5585 mL
50 mM	0.0512 mL	0.2558 mL	0.5117 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

Tagawa M, et al. Br J Clin Pharmacol. 2001 Nov;52(5):501-9.
Liang D, Yu C, Ma Z, et al. Identification of anthelmintic parbendazole as a therapeutic molecule for HNSCC through connectivity map-based drug repositioning. Acta Pharmaceutica Sinica B. 2021

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