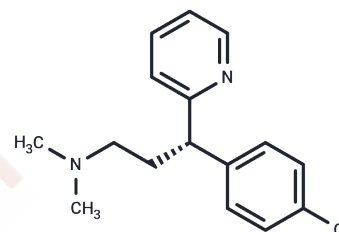


Dexchlorpheniramine free base

Chemical Properties

CAS No. :	25523-97-1
Formula:	C ₁₆ H ₁₉ ClN ₂
Molecular Weight:	274.79
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, a histamine receptor antagonist, is used to treat urticaria, allergic rhinitis, allergic conjunctivitis and pruritus.
Targets(IC50)	Others,Histamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6391 mL	18.1957 mL	36.3914 mL
5 mM	0.7278 mL	3.6391 mL	7.2783 mL
10 mM	0.3639 mL	1.8196 mL	3.6391 mL
50 mM	0.0728 mL	0.3639 mL	0.7278 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

- Alabazi MY, Elzein H. An approach to formulating an oral floating drug delivery system for dexchlorpheniramine maleate using factorial design. *Pharmazie*. 2012 Jul;67(7):611-7. PubMed PMID: 22888518.
- Ortíz San Román L, Sanavia Morán E, Campos Domínguez M, Peinador García MM. [Anticholinergic syndrome due to dexchlorpheniramine as a cause of urinary retention]. *An Pediatr (Barc)*. 2013 Dec;79(6):400-1. doi: 10.1016/j.anpedi.2013.02.014. Epub 2013 May 13. Spanish. PubMed PMID: 23680058.
- Van Eeckhaut A, Detaevernier MR, Michotte Y. Development of a validated capillary electrophoresis method for enantiomeric purity testing of dexchlorpheniramine maleate. *J Chromatogr A*. 2002 Jun 7;958(1-2):291-7. PubMed PMID: 12134827.
- Gutkowski A, Del Carpio J, Gelinás B, Schulz J, Turenne Y. Comparative study of the efficacy, tolerance and side-effects of dexchlorpheniramine maleate 6 mg b.i.d. with terfenadine 60 mg b.i.d. *J Int Med Res*. 1985;13(5):284-8. PubMed PMID: 3932106.

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