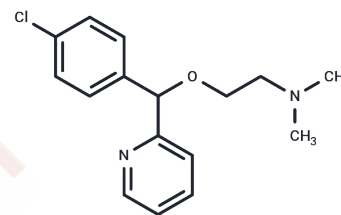


## Carbinoxamine

## Chemical Properties

CAS No. :	486-16-8
Formula:	C <sub>16</sub> H <sub>19</sub> ClN <sub>2</sub> O
Molecular Weight:	290.79
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	Carbinoxamine, an anticholinergic and antihistamine agent, is used for hay fever, angioedema, vasomotor rhinitis, mild urticaria, dermatographism and allergic conjunctivitis. It is a histamine antagonist, specifically an H <sub>1</sub> -antagonist.
Targets(IC50)	Others,Histamine Receptor

## Solubility Information

Solubility	DMSO: Soluble, ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4389 mL	17.1945 mL	34.3891 mL
5 mM	0.6878 mL	3.4389 mL	6.8778 mL
10 mM	0.3439 mL	1.7195 mL	3.4389 mL
50 mM	0.0688 mL	0.3439 mL	0.6878 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

Xu W, Xia S, Pu J, Wang Q, Li P, Lu L, Jiang S. The Antihistamine Drugs Carbinoxamine Maleate and Chlorpheniramine Maleate Exhibit Potent Antiviral Activity Against a Broad Spectrum of Influenza Viruses. *Front Microbiol.* 2018 Nov 6;9:2643. doi: 10.3389/fmicb.2018.02643. eCollection 2018. PubMed PMID: 30459739; PubMed Central PMCID: PMC6232386.

Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): National Library of Medicine (US); 2006-. Available from <http://www.ncbi.nlm.nih.gov/books/NBK501270/> PubMed PMID: 30000329.

Harikrishnan A, Sanjeevi J, Ramanathan CR. The cooperative effect of Lewis pairs in the Friedel-Crafts hydroxyalkylation reaction: a simple and effective route for the synthesis of ( $\pm$ )-carbinoxamine. *Org Biomol Chem.* 2015 Mar 28;13(12):3633-47. doi: 10.1039/c4ob02597k. PubMed PMID: 25672597.

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