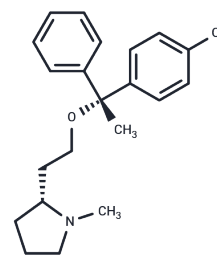


Clemastine

Chemical Properties

CAS No. :	15686-51-8
Formula:	C ₂₁ H ₂₆ ClNO
Molecular Weight:	343.89
Storage:	Keep away from moisture
	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	Clemastine (Meclastin) is an antagonist of the H1 receptor and exhibits anti-inflammatory effects.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	DMSO: 25 mg/mL (72.7 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9079 mL	14.5395 mL	29.0791 mL
5 mM	0.5816 mL	2.9079 mL	5.8158 mL
10 mM	0.2908 mL	1.454 mL	2.9079 mL
50 mM	0.0582 mL	0.2908 mL	0.5816 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

Turski CA, et al. Clemastine effects in rat models of a myelination disorder. *Pediatr Res*. 2018 May 2.

Domagała A, Szepietowski J, Reich A. Antihistamines in the treatment of pruritus in psoriasis. *Postepy Dermatol Alergol*. 2017 Oct;34(5):457-463.

Magno Pereira V, et al. Infliximab-Induced Lupus: A Case Report. *GE Port J Gastroenterol*. 2017 Mar;24(2):84-88.

Cree BAC, et al. Clemastine rescues myelination defects and promotes functional recovery in hypoxic brain injury. *Brain*. 2018 Jan 1;141(1):85-98.

Clemastine. In: *LiverTox: Clinical and Research Information on Drug-Induced Liver Injury*. Bethesda (MD): National Institute of Diabetes and Digestive and Kidney Diseases; January 16, 2017.

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