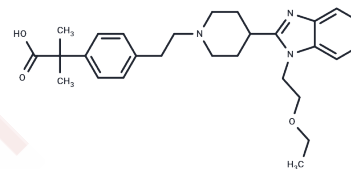


Bilastine

Chemical Properties

CAS No. :	202189-78-4
Formula:	C ₂₈ H ₃₇ N ₃ O ₃
Molecular Weight:	463.61
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	Bilastine (Bilaxten) is a novel new-generation antihistamine that is highly selective for the H ₁ histamine receptor, has a rapid onset and prolonged duration of action.
Targets(IC ₅₀)	Histamine Receptor
In vitro	Bilastine has a highly selective affinity for the H ₁ -receptor but a very low affinity for 30 other tested receptors. It isn't obvious inhibitory against bradykinin, serotonin, muscarinic M ₃ -receptors, leukotriene D ₄ , calcium, α ₁ -adrenoceptors, β ₂ -adrenoceptors, and H ₂ - and H ₃ - receptors.
In vivo	In patients with allergic rhinoconjunctivitis, Bilastine is efficacious in all nasal symptoms including obstruction and in eye symptoms. In the fasting state, Bilastine is quickly absorbed, but the absorption is slowed when it is taken with food or fruit juice.

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.157 mL	10.7849 mL	21.5699 mL
5 mM	0.4314 mL	2.157 mL	4.314 mL
10 mM	0.2157 mL	1.0785 mL	2.157 mL
50 mM	0.0431 mL	0.2157 mL	0.4314 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

Wolthers OD. Bilastine: a new nonsedating oral H1 antihistamine for treatment of allergic rhinoconjunctivitis and urticaria. Biomed Res Int. 2013;2013:626837.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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