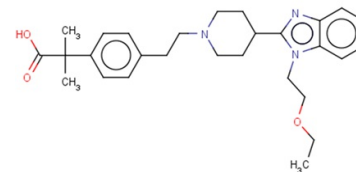


Product Name : Bilastine
Catalog Number : T4250
CAS Number : 202189-78-4
Molecular Formula : C₂₈H₃₇N₃O₃
Molecular Weight : 463.62
Appearance :
Melting Point :



Description: Bilastine is a novel new-generation antihistamine that is highly selective for the H1 histamine receptor, has a rapid onset and prolonged duration of action.

Storage: 2 years -80°C in solvent; 3 years -20°C powder;

Solubility	DMSO	2.2 mM
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Receptor (IC50)	H1 receptor	
	H1 receptor(in guinea-pig cerebellum)	

In vitro Activity

Bilastine has a highly selective affinity for the H1-receptor but a very low affinity for 30 other tested receptors. It isn't obvious inhibitory against bradykinin, serotonin, muscarinic M3-receptors, leukotriene D4, calcium, α1-adrenoceptors, β2-adrenoceptors, and H2- and H3- receptors.

In vivo Activity

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.

Reference

1. Wolthers OD. Bilastine: a new non-sedating oral H1 antihistamine for treatment of allergic rhinoconjunctivitis and urticaria. *Biomed Res Int.* 2013;2013:626837.

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