



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: **Bilastine**
产品别名: 比拉斯汀

生物活性:				
Description	Bilastine is a selective histamine H1 receptor antagonist used for treatment of allergic rhinoconjunctivitis and urticaria. Target: Histamine H1 Receptor Bilastine binds to histamine H1-receptors as indicated by its displacement of [3H]-pyrilamine from H1-receptors expressed in guinea-pig cerebellum and human embryonic kidney (HEK) cell lines. The studies conducted on guinea-pig smooth muscle demonstrated the capability of bilastine to antagonise H1-receptors. Bilastine is selective for histamine H1-receptors as shown in receptor-binding screening conducted to determine the binding capacity of bilastine to 30 different receptors [1]. Bilastine distribution has an apparent volume of distribution of 1.29 L/kg, and has an elimination half-life of 14.5 h and plasma protein binding of 84-90% [2].			
Solvent&Solubility	In Vitro: DMSO : ≥ 49.3 mg/mL (106.34 mM) <small>* "≥" means soluble, but saturation unknown.</small>			
		<div>Solvent / Mass / Concentration</div>	1 mg	5 mg
	Preparing	1 mM	2.1570 mL	10.7849 mL
	Stock Solutions	5 mM	0.4314 mL	2.1570 mL
		10 mM	0.2157 mL	1.0785 mL
*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液, 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限: -80°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。				
References	[1]. Corcostegui, R., et al., Preclinical pharmacology of bilastine, a new selective histamine H1 receptor antagonist: receptor selectivity and in vitro antihistaminic activity. <i>Drugs R D</i> , 2005. 6(6): p. 371-84. [2]. Jauregizar, N., et al., Pharmacokinetic-pharmacodynamic modelling of the antihistaminic (H1) effect of bilastine. <i>Clin Pharmacokinet</i> , 2009. 48(8): p. 543-54.			