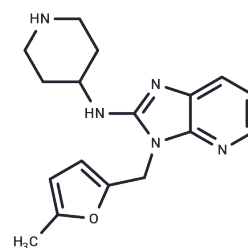


Noberastine

Chemical Properties

CAS No. :	110588-56-2
Formula:	C17H21N5O
Molecular Weight:	311.38
Storage:	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	Noberastine (R 64947) is a novel histamine H1 antagonist with potent and specific peripheral antihistamine activity.
Targets(IC50)	Histamine Receptor
In vivo	Noberastine (10, 20, and 30 mg; single dose; 12 healthy male volunteers) significant inhibition of histamine-induced skin wheals occurred and this effect persisted beyond 24 h. At the higher (20 and 30 mg) doses studied significant inhibition of the histamine-induced skin wheal occurred by 1 h of dosi

Solubility Information

Solubility	DMSO: 60 mg/mL (192.69 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	3.2115 mL	16.0576 mL	32.1151 mL
5 mM	0.6423 mL	3.2115 mL	6.423 mL
10 mM	0.3212 mL	1.6058 mL	3.2115 mL
50 mM	0.0642 mL	0.3212 mL	0.6423 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

Kamali F, et al. A double-blind placebo controlled dose response study of noberastine on histamine induced weal and flare. *Eur J Clin Pharmacol.* 1991;40(1):83-85.

Wood-Baker R, et al. The time course of action of three differing doses of noberastine, a novel H1-receptor antagonist, on histamine-induced skin wheals and the relationship to plasma drug concentrations in normal human volunteers. *Br J Clin Pharmacol.* 1993;35(2):166-170.

Knight A, et al. Clinical evaluation of the efficacy and safety of noberastine, a new H1 antagonist, in seasonal allergic rhinitis: a placebo-controlled, dose-response study. *J Allergy Clin Immunol.* 1991;88(6):926-934.

Lau HY, et al. Effects of acrivastine, azelastine, cetirizine and noberastine on rat peritoneal mast cells. *Inflamm Res.* 1995;44 Suppl 1:S30-S31.

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