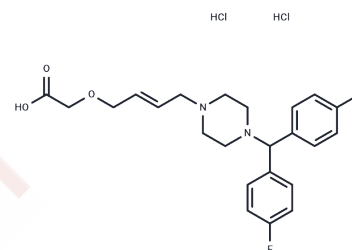


SUN 1334H

Chemical Properties

CAS No. : 607736-84-5
 Formula: C₂₃H₂₈Cl₂F₂N₂O₃
 Molecular Weight: 489.38
 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	SUN 1334H is a potent, orally active, and highly selective H1 receptor antagonist with a K _i of 9.7 nM.
Targets(IC ₅₀)	Histamine Receptor
In vitro	In CHO-K1/hERG cells, SUN-1334H causes potent inhibition of histamine induced contractions of isolated guinea-pig ileum (IC ₅₀ : 0.198 μM)[2].
In vivo	In beagle dogs and in ovalbumin-induced rhinitis in guinea pigs, SUN-1334H potently inhibits histamine-induced bronchospasm for 24 hours following oral administration and completely suppresses histamine-induced skin wheal [1]. SUN-1334H significantly reduces passive and active cutaneous anaphylactic reactions in skin allergy models. In central nervous system side effect models, SUN-1334H, desloratadine, and fexofenadine show no significant effects [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0434 mL	10.217 mL	20.434 mL
5 mM	0.4087 mL	2.0434 mL	4.0868 mL
10 mM	0.2043 mL	1.0217 mL	2.0434 mL
50 mM	0.0409 mL	0.2043 mL	0.4087 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

Mandhane SN, et al. Preclinical efficacy and safety pharmacology of SUN-1334H, a potent orally active antihistamine agent. *Drugs R D*. 2008;9(2):93-112.

Mandhane SN, et al. Characterization of anti-inflammatory properties and evidence for no sedation liability for the novel antihistamine SUN-1334H. *Int Arch Allergy Immunol*. 2010;151(1):56-69.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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