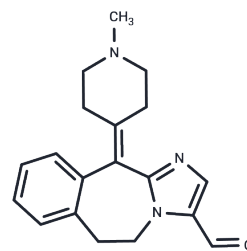


Alcaftadine

Chemical Properties

CAS No. :	147084-10-4
Formula:	C ₁₉ H ₂₁ N ₃ O
Molecular Weight:	307.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Alcaftadine (Lastacaft) is an H1 histamine receptor antagonist indicated for the prevention of itching associated with allergic conjunctivitis.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 3.85 mg/mL (12.51 mM),Sonication is recommended. Ethanol: 61 mg/mL (198.44 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	3.2532 mL	16.266 mL	32.532 mL
5 mM	0.6506 mL	3.2532 mL	6.5064 mL
10 mM	0.3253 mL	1.6266 mL	3.2532 mL
50 mM	0.0651 mL	0.3253 mL	0.6506 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.

Reference

Namdar R and C Valdez Alcaftadine. Drugs Today (Barc), 2011. 47(12): p. 883-90.

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