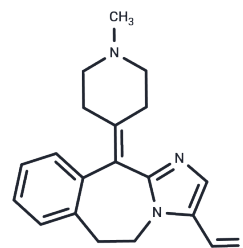


Alcaftadine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 147084-10-4 |
| Formula: | C ₁₉ H ₂₁ N ₃ O |
| Molecular Weight: | 307.39 |
| 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 | 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 (12.52 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) |
|------------|---|

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.

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

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

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