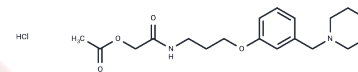


Roxatidine Acetate hydrochloride

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 93793-83-0 |
| Formula: | C ₁₉ H ₂₉ ClN ₂ O ₄ |
| Molecular Weight: | 384.9 |
| 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 | Roxatidine Acetate hydrochloride (HOE 760) is a specific and competitive histamin H ₂ -receptor antagonist. It inhibits gastric acid secretion and ulcer formation. |
| Targets(IC ₅₀) | Histamine Receptor |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (129.9 mM),Sonication is recommended. H ₂ O: 50 mg/mL (129.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5981 mL | 12.9904 mL | 25.9808 mL |
| 5 mM | 0.5196 mL | 2.5981 mL | 5.1962 mL |
| 10 mM | 0.2598 mL | 1.299 mL | 2.5981 mL |
| 50 mM | 0.052 mL | 0.2598 mL | 0.5196 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

Agrawal SS, Alvin Jose M. Syst Biol Reprod Med. 2010 Aug;56(4):286-91.

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