

## Roxatidine

## Chemical Properties

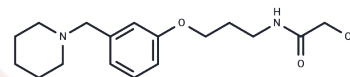
CAS No. : 78273-80-0

Formula: C17H26N2O3

Molecular Weight: 306.4

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, the active metabolite of Roxatidine acetate hydrochloride, serves as a histamine H2-receptor antagonist and exhibits anti-ulcer properties. It functions by suppressing the release of histamine, thereby inhibiting proton secretion, and also reduces the production of VEGF-1, a key indicator of inflammation and angiogenesis. This compound demonstrates an anti-allergic inflammatory effect [1]. |
| Targets(IC50) | Others,NF-κB,Caspase,Histamine Receptor,p38 MAPK   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.2637 mL | 16.3185 mL | 32.6371 mL |
| 5 mM  | 0.6527 mL | 3.2637 mL  | 6.5274 mL  |
| 10 mM | 0.3264 mL | 1.6319 mL  | 3.2637 mL  |
| 50 mM | 0.0653 mL | 0.3264 mL  | 0.6527 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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