Roxatidine Acetate Hydrochloride

Cat. No.: HY-B0305A
CAS No.: 93793-83-0
Molecular Formula: C₁₉H₂₉ClN₂O₄
Molecular Weight: 384.9
Target: Histamine Receptor
Pathway: GPCR/G Protein; Immunology/Inflammation
Storage: Powder -20°C 3 years
        4°C 2 years
        In solvent -80°C 6 months
        -20°C 1 month

Solvent & Solubility

In Vitro
10 mM in DMSO

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.5981 mL</td>
<td>12.9904 mL</td>
<td>25.9808 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5196 mL</td>
<td>2.5981 mL</td>
<td>5.1962 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2598 mL</td>
<td>1.2990 mL</td>
<td>2.5981 mL</td>
</tr>
</tbody>
</table>

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description
Roxatidine Acetate HCl is a specific and competitive histamin H2 receptor antagonist. Target: Histamin H2 Receptor
Roxatidine acetate is a histamine H2-receptor antagonist which, after almost complete oral absorption (greater than 95%), is rapidly converted to its active metabolite, roxatidine, by esterases in the small intestine, plasma and liver. Roxatidine is a potent inhibitor of basal and stimulated gastric acid secretion in animals and humans and, like most other H2-receptor antagonists, has no anti-androgenic effects and does not interfere with the hepatic metabolism of other drugs [1, 2].

REFERENCES