Loratadine

Cat. No.: HY-17043
CAS No.: 79794-75-5
Molecular Formula: C₂₂H₂₃ClN₂O₂
Molecular Weight: 382.88
Target: Histamine Receptor
Pathway: GPCR/G Protein; Immunology/Inflammation
Storage:
- Powder at -20°C for 3 years
- Powder at 4°C for 2 years
- In solvent at -80°C for 6 months
- In solvent at -20°C for 1 month

Solvent & Solubility

In Vitro:
10 mM in DMSO

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.6118 mL</td>
<td>13.0589 mL</td>
<td>26.1178 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5224 mL</td>
<td>2.6118 mL</td>
<td>5.2236 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2612 mL</td>
<td>1.3059 mL</td>
<td>2.6118 mL</td>
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</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description:
Loratadine(SCH-29851) is a selective inverse peripheral histamine H₁-receptor agonist with an IC₅₀ of >32 μM. IC₅₀ value: 32 uM. Target: H₁-receptor. Loratadine is a non-sedative antihistamine that inhibits histamine-induced activities of IL-6 and IL-8 secretion in endothelial cells.

REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.
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