Cinnarizine

Cat. No.: HY-B1090
CAS No.: 298-57-7
Molecular Formula: C_{26}H_{28}N_{2}
Molecular Weight: 368.51
Target: Calcium Channel; Histamine Receptor
Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling; 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
DMSO: 7.14 mg/mL (19.38 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>2.7136 mL</td>
<td>13.5682 mL</td>
<td>27.1363 mL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.5427 mL</td>
<td>2.7136 mL</td>
<td>5.4273 mL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2714 mL</td>
<td>1.3568 mL</td>
<td>2.7136 mL</td>
<td></td>
</tr>
</tbody>
</table>

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

In Vivo
1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 0.71 mg/mL (1.93 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 0.71 mg/mL (1.93 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 0.71 mg/mL (1.93 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Cinnarizine is an antihistamine and a calcium channel blocker, promote cerebral blood flow, used to treat cerebral apoplexy, post-trauma cerebral symptoms, and cerebral arteriosclerosis.