Diphenidol hydrochloride

Cat. No.: HY-A0082
CAS No.: 3254-89-5
Molecular Formula: C₂₁H₂₈ClNO
Molecular Weight: 345.91
Target: mAChR
Pathway: GPCR/G Protein; Neuronal Signaling
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 : ≥ 46 mg/mL (132.98 mM)
* “≥” means soluble, but saturation unknown.

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>2.8909 mL</td>
<td>14.4546 mL</td>
<td>28.9093 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5782 mL</td>
<td>2.8909 mL</td>
<td>5.7819 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2891 mL</td>
<td>1.4455 mL</td>
<td>2.8909 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Diphenidol hydrochloride is a muscarinic antagonist employed as an antiemetic and as an antivertigo agent.

REFERENCES
