Dexloxiclumide

Cat. No.: HY-128878  
CAS No.: 119817-90-2  
Molecular Formula: \( \text{C}_2\text{H}_{30}\text{Cl}_2\text{N}_2\text{O}_5 \)  
Molecular Weight: 461.38  
Target: Cholecystokinin Receptor  
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: 50 mg/mL (108.37 mM; Need ultrasonic)

<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></td>
<td>1 mM</td>
<td>2.1674 mL</td>
<td>10.8371 mL</td>
<td>21.6741 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.4335 mL</td>
<td>2.1674 mL</td>
<td>4.3348 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2167 mL</td>
<td>1.0837 mL</td>
<td>2.1674 mL</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: 2.5 mg/mL (5.42 mM); Suspended solution; Need ultrasonic  
2. Add each solvent one by one: 10% DMSO >> 90% corn oil  
   Solubility: ≥ 2.5 mg/mL (5.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description  
Dexloxiclumide is a selective cholecystokinin type A (CCKA) receptor antagonist\(^1\). Dexloxiclumide, the active enantiomer of Loxiglumide, inhibits smooth muscle cell contractions induced by cholecystokinin-octapeptide (CCK-8)\(^2\).

REFERENCES