Glucagon receptor antagonists-1

Cat. No.: HY-10036
CAS No.: 503559-84-0
Molecular Formula: C₂₉H₃₄FNO₂
Molecular Weight: 447.58
Target: Glucagon Receptor
Pathway: GPCR/G Protein
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 (111.71 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (insoluble)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>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></td>
<td>2.2342 mL</td>
<td>11.1712 mL</td>
<td>22.3424 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.4468 mL</td>
<td>2.2342 mL</td>
<td>4.4685 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.2234 mL</td>
<td>1.1171 mL</td>
<td>2.2342 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: ≥ 2.75 mg/mL (6.14 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.75 mg/mL (6.14 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Glucagon receptor antagonists-1 is a highly potent glucagon receptor antagonist.

REFERENCES