Eprodisate disodium

Cat. No.: HY-B1141
CAS No.: 36589-58-9
Molecular Formula: C₃H₆Na₂O₆S₂
Molecular Weight: 248.19
Target: Others
Pathway: Others
Storage: Powder
-20°C 3 years
4°C 2 years
In solvent
-80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H₂O : 50 mg/mL (201.46 mM; Need ultrasonic)</td>
<td></td>
</tr>
<tr>
<td>DMSO : 7.69 mg/mL (30.98 mM; Need ultrasonic)</td>
<td></td>
</tr>
</tbody>
</table>

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>4.0292 mL</td>
<td>20.1459 mL</td>
<td>40.2917 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.8058 mL</td>
<td>4.0292 mL</td>
<td>8.0583 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.4029 mL</td>
<td>2.0146 mL</td>
<td>4.0292 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: ≥ 0.77 mg/mL (3.10 mM); Clear solution

2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 0.77 mg/mL (3.10 mM); Clear solution

3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 0.77 mg/mL (3.10 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Eprodisate disodium (NC-503) is the orally available disodium salt form of Eprodisate, a negatively charged sulfonated inhibitor of fibrillogenesis, that can be used in the treatment of amyloid A (AA) amyloidosis.