Epimedin B

Cat. No.: HY-N0259
CAS No.: 110623-73-9
Molecular Formula: C₁₈H₂₈O₁₉
Molecular Weight: 808.78
Target: Others
Pathway: Others
Storage: 4°C, protect from light

SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (41.21 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent</th>
<th>Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 mM</td>
<td>1.2364 mL</td>
<td>6.1822 mL</td>
<td>12.3643 mL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mM</td>
<td>0.2473 mL</td>
<td>1.2364 mL</td>
<td>2.4729 mL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mM</td>
<td>0.1236 mL</td>
<td>0.6182 mL</td>
<td>1.2364 mL</td>
</tr>
</tbody>
</table>

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 3 mg/mL (3.71 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 3 mg/mL (3.71 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Epimedin B, a component extracted from Epimedii Folium, is reported to have antiosteoporotic activity. IC50 value: Target: In vitro: In vivo. Prednisolone-induced osteoporosis model using zebrafish was used to evaluate the antosteoporotic activity of micro amount epimedin B. The result showed that 1 μmol·L⁻¹ epimedin B groups were significantly increased when compared with model group; Epimedin B can prevent zebrafish osteoporosis induced by prednisolone [1].

REFERENCES
