Schisandrol B

Cat. No.: HY-N0692
CAS No.: 58546-54-6
Molecular Formula: C₂₃H₂₈O₇
Molecular Weight: 416.46
Target: Autophagy
Pathway: Autophagy
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 (120.06 mM; Need ultrasonic)
H₂O : < 0.1 mg/mL (insoluble)

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>2.4012 mL</td>
<td>12.0060 mL</td>
<td>24.0119 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4802 mL</td>
<td>2.4012 mL</td>
<td>4.8024 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2401 mL</td>
<td>1.2006 mL</td>
<td>2.4012 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 (6.60 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.75 mg/mL (6.60 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Schisandrol B (Gomisin-A;TJN-101;Wuweizi alcohol-B) is one of its major active constituents of traditional hepato-
protective Chinese medicine, Schisandra sphenanthera.

REFERENCES