**Loganin**

Cat. No.: HY-N0512  
CAS No.: 18524-94-2  
Molecular Formula: C₁₇H₂₆O₁₀  
Molecular Weight: 390.38  
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*  
**DMSO**: ≥ 100 mg/mL (256.16 mM)  
*"≥" means soluble, but saturation unknown.*

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Concentration</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mg</td>
<td>5 mg</td>
</tr>
<tr>
<td>1 mM</td>
<td>2.5616 mL</td>
<td>12.8080 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5123 mL</td>
<td>2.5616 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2562 mL</td>
<td>1.2808 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 (6.40 mM); Clear solution  
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
   Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution  
3. Add each solvent one by one: 10% DMSO >> 90% corn oil  
   Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution

**BIOLOGICAL ACTIVITY**

**Description**  
Loganin, a major iridoid glycoside obtained from Corni fructus, has been shown to have anti-inflammatory and anti-shock effects. Loganin exhibits an anti-inflammatory effect in cases of AP and its pulmonary complications through inhibition of NF-κB activation.
REFERENCES
