**SOLVENT & SOLUBILITY**

### In Vitro

**DMSO : 125 mg/mL (141.17 mM; Need ultrasonic)**

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>1 mg</td>
</tr>
<tr>
<td></td>
<td>1.1294 mL</td>
<td>5.6470 mL</td>
</tr>
<tr>
<td></td>
<td>0.2259 mL</td>
<td>1.1294 mL</td>
</tr>
<tr>
<td></td>
<td>0.1129 mL</td>
<td>0.5647 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: ≥ 2.08 mg/mL (2.35 mM); Clear solution

2. Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
   Solubility: ≥ 2.08 mg/mL (2.35 mM); Clear solution

3. Add each solvent one by one: **10% DMSO >> 90% corn oil**
   Solubility: ≥ 2.08 mg/mL (2.35 mM); Clear solution

### BIOLOGICAL ACTIVITY

**Description**

Triolein is a symmetrical triacylglycerol, reduces MMP-1 upregulation, with strong antioxidant and anti-inflammatory properties[1].

### REFERENCES
