Artemisic acid

Cat. No.: HY-N1984
CAS No.: 80286-58-4
Molecular Formula: C₁₅H₂₂O₂
Molecular Weight: 234.33
Target: Bacterial
Pathway: Anti-infection
Storage: 4°C, stored under nitrogen
* In solvent: -80°C, 6 months; -20°C, 1 month (stored under nitrogen)

**SOLVENT & SOLUBILITY**

**In Vitro**

<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>4.2675 mL</td>
<td>21.3374 mL</td>
<td>42.6749 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.8535 mL</td>
<td>4.2675 mL</td>
<td>8.5350 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.4267 mL</td>
<td>2.1337 mL</td>
<td>4.2675 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: ≥ 0.83 mg/mL (3.54 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 0.83 mg/mL (3.54 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 0.83 mg/mL (3.54 mM); Clear solution

**BIOLOGICAL ACTIVITY**

**Description**

Artemisinic acid (Qing Hao acid), an amorphane sesquiterpene isolated from Artemisia annua L., possesses a variety of pharmacological activity, such as antimalarial activity, anti-tumor activity, antipyretic effect, antibacterial activity, allelopathy effect and anti-adipogenesis effect[1].

**REFERENCES**

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: 609-228-6898       Fax: 609-228-5909       E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA