Arundic Acid

Cat. No.: HY-107661
CAS No.: 185517-21-9
Molecular Formula: C₁₁H₂₂O₂
Molecular Weight: 186.29
Target: Others
Pathway: Others
Storage: Pure form: -20°C 3 years, 4°C 2 years, In solvent: -80°C 6 months, -20°C 1 month

SOLVENT & SOLUBILITY

In Vitro
DMSO: 150 mg/mL (805.20 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>5.3680 mL</td>
<td>26.8399 mL</td>
<td>53.6797 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>1.0736 mL</td>
<td>5.3680 mL</td>
<td>10.7359 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.5368 mL</td>
<td>2.6840 mL</td>
<td>5.3680 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: 3.75 mg/mL (20.13 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 3.75 mg/mL (20.13 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 3.75 mg/mL (20.13 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Arundic acid (ONO-2506) is an astrocyte-modulating agent, which delays the expansion of cerebral infarcts by modulating the activation of astrocytes through inhibition of S-100β synthesis. Arundic acid has the potential for stroke and Alzheimer’s disease research[1][2][3].

REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.

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