Isomangiferin

Cat. No.: HY-N0772
CAS No.: 24699-16-9
Molecular Formula: C₁₉H₁₈O₁₁
Molecular Weight: 422.34
Target: Influenza Virus
Pathway: Anti-infection
Storage: 4°C, protect from light
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

SOLVENT & SOLUBILITY

In Vitro

DMSO: 50 mg/mL (118.39 mM; Need ultrasonic)

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>2.3678 mL</td>
<td>11.8388 mL</td>
<td>23.6776 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4736 mL</td>
<td>2.3678 mL</td>
<td>4.7355 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2368 mL</td>
<td>1.1839 mL</td>
<td>2.3678 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 (5.92 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (5.92 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Isomangiferin, a natural product, is reported to have antiviral activity.

REFERENCES
