Gynostemma Extract

Cat. No.: HY-N0167
CAS No.: 80321-63-7
Molecular Formula: \(C_{47}H_{80}O_{17}\)
Molecular Weight: 917.13
Target: Endogenous Metabolite
Pathway: Metabolic Enzyme/Protease
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 (109.04 mM; ultrasonic and warming and heat to 60°C)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent</th>
<th>Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Concentration</td>
<td>1 mM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.0904 mL</td>
<td>5.4518 mL</td>
<td>10.9036 mL</td>
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<tr>
<td></td>
<td></td>
<td>0.2181 mL</td>
<td>1.0904 mL</td>
<td>2.1807 mL</td>
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<tr>
<td></td>
<td></td>
<td>0.1090 mL</td>
<td>0.5452 mL</td>
<td>1.0904 mL</td>
<td></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 (2.73 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: > 2.5 mg/mL (2.73 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: > 2.5 mg/mL (2.73 mM); Clear solution

**BIOLOGICAL ACTIVITY**

Description: Gynostemma Extract (Ginsenoside C-Mx1) is a natural product.

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

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