Verbenalin

Cat. No.: HY-N2014
CAS No.: 548-37-8
Molecular Formula: C₁₇H₂₄O₁₀
Molecular Weight: 388.37
Target: Others
Pathway: Others
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: 250 mg/mL (643.72 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 mg</td>
<td>5 mg</td>
</tr>
<tr>
<td>1 mM</td>
<td>2.5749 mL</td>
<td>12.8743 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5150 mL</td>
<td>2.5749 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2575 mL</td>
<td>1.2874 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: ≥ 6.25 mg/mL (16.09 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 6.25 mg/mL (16.09 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 6.25 mg/mL (16.09 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Verbenalin is Verbena glycoside, with anti-inflammatory, anti-fungal anti-virus activities. Verbenalin can be used for the research of prostatitis. Verbenalin can reduce cerebral ischemia-reperfusion injury\(^1\)[2].

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