Vinburnine

Cat. No.: HY-B1180
CAS No.: 4880-88-0
Molecular Formula: C₁₉H₂₂N₂O
Molecular Weight: 294.39
Target: Drug Metabolite
Pathway: Metabolic Enzyme/Protease
Storage: Powder -20°C 3 years
Storage: In solvent -80°C 6 months
Storage: In solvent -20°C 1 month

In vitro:
DMSO : 8.33 mg/mL (28.30 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass (mg)</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>3.3969 mL</td>
<td>16.9843 mL</td>
<td>33.9685 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.6794 mL</td>
<td>3.3969 mL</td>
<td>6.7937 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.3397 mL</td>
<td>1.6984 mL</td>
<td>3.3969 mL</td>
<td></td>
</tr>
</tbody>
</table>

Preparation of Stock Solutions:
1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 0.83 mg/mL (2.82 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 0.83 mg/mL (2.82 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 0.83 mg/mL (2.82 mM); Clear solution

In vivo:
Solubility: ≥ 0.83 mg/mL (2.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description: Vincamone is a vinca alkaloid and a metabolite of vincamine, is a vasodilator.