Pamabrom

Cat. No.: HY-17391
CAS No.: 606-04-2
Molecular Formula: C₁₁H₁₈BrN₅O₃
Molecular Weight: 348.2
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: 150 mg/mL (430.79 mM; Need ultrasonic)

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Concentration</th>
<th>Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.8719 mL</td>
<td>14.3596 mL</td>
<td>28.7191 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5744 mL</td>
<td>2.8719 mL</td>
<td>5.7438 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2872 mL</td>
<td>1.4360 mL</td>
<td>2.8719 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 >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.67 mg/mL (7.67 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.67 mg/mL (7.67 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.67 mg/mL (7.67 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Pamabron is a common over-the-counter diuretic used for relief of menstrual-associated symptoms. The active diuretic ingredient in pamabrom is 8-bromotheophylline. Pamabrom is available in combination with acetaminophen (paracetamol) for various conditions such as back pain and menstrual relief. The acetaminophen helps reduce menstrual pains and the pamabrom reduces associated bloating.
REFERENCES


[4]. Pamabrom

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