Baclofen

Cat. No.: HY-B0007
CAS No.: 1134-47-0
Molecular Formula: C₁₀H₁₂ClNO₂
Molecular Weight: 213.66
Target: GABA Receptor
Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:
- Powder: -20°C, 3 years; 4°C, 2 years
- In solvent: -80°C, 6 months; -20°C, 1 month

Solvent & Solubility

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>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>4.6803 mL</td>
<td>23.4017 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.9361 mL</td>
<td>4.6803 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.4680 mL</td>
<td>2.3402 mL</td>
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</tbody>
</table>

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description
Baclofen is a gamma-amino-butyric acid (GABA) derivative used as a skeletal muscle relaxant. Target: GABA Receptor
Baclofen, a lipophilic analog of gamma-aminobutyric acid, is clinically used to control spasticity. Baclofen pretreatment (3 mg/kg) not only prolonged the time taken for animals to reach a core body temperature of 40 degrees C (P < 0.001), but also reduced the percentage of rats attaining a core body temperature of 40 degrees C [1]. Baclofen overdose may result in coma, apnea, autonomic disturbances, cardiac conduction abnormalities, and seizures. Levels obtained shortly after overdose correlate with length of mechanical ventilation [2].

REFERENCES