Labetalol hydrochloride

Cat. No.: HY-B1108  
CAS No.: 32780-64-6  
Molecular Formula: C₁₉H₂₅ClN₂O₃  
Molecular Weight: 364.87  
Target: Adrenergic Receptor  
Pathway: GPCR/G Protein; Neuronal Signaling  
Storage: 4°C, protect from light

* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

**SOLVENT & SOLUBILITY**

**In Vitro**

DMSO: ≥ 100 mg/mL (274.07 mM)  
H₂O: 20 mg/mL (54.81 mM; Need ultrasonic)  
* "≥" means soluble, but saturation unknown.

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>2.7407 mL</td>
<td>13.7035 mL</td>
<td>27.4070 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.5481 mL</td>
<td>2.7407 mL</td>
<td>5.4814 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2741 mL</td>
<td>1.3704 mL</td>
<td>2.7407 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: ≥ 2.5 mg/mL (6.85 mM); Clear solution  
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (6.85 mM); Clear solution  
3. Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.85 mM); Clear solution

**BIOLOGICAL ACTIVITY**

**Description**  
Labetalol hydrochloride is a mixed alpha/beta adrenergic antagonist that is used to treat high blood pressure.

**CUSTOMER VALIDATION**

See more customer validations on www.MedChemExpress.com

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