Letrozole

Cat. No.: HY-14248
CAS No.: 112809-51-5
Molecular Formula: C₁₇H₁₁N₅
Molecular Weight: 285.3
Target: Aromatase; Autophagy
Pathway: Others; Autophagy
Storage: Powder -20°C 3 years
4°C 2 years
In solvent -80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent</th>
<th>Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solvent</td>
<td>Concentration</td>
<td>1 mg</td>
<td>5 mg</td>
<td>10 mg</td>
</tr>
<tr>
<td></td>
<td>DMSO</td>
<td>50 mg/mL (175.25 mM; Need ultrasonic)</td>
<td>3.5051 mL</td>
<td>17.5254 mL</td>
<td>35.0508 mL</td>
</tr>
<tr>
<td></td>
<td>1 mM</td>
<td>3.5051 mL</td>
<td>17.5254 mL</td>
<td>35.0508 mL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.7010 mL</td>
<td>3.5051 mL</td>
<td>7.0102 mL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.3505 mL</td>
<td>1.7525 mL</td>
<td>3.5051 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 >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (7.29 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (7.29 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (7.29 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Letrozole is an aromatase inhibitor with an IC₅₀ of 1-13 nM.

CUSTOMER VALIDATION
See more customer validations on www.MedChemExpress.com

REFERENCES


