Deslorelin

Cat. No.: HY-12556
CAS No.: 57773-65-6
Molecular Formula: \( C_{64}H_{83}N_{17}O_{12} \)
Molecular Weight: 1282.45
Sequence: Pyr-His-Trp-Ser-Tyr-(d-Trp)-Leu-Arg-Pro-NHet
Sequence Shortening: Pyr-HWSY-(d-Trp)-LRP-NHet
Target: GNRH Receptor
Pathway: GPCR/G Protein
Storage: Powder
-80°C: 2 years
-20°C: 1 year
In solvent
-80°C: 6 months
-20°C: 1 month

**SOLVENT & SOLUBILITY**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO : ≥ 30 mg/mL (23.39 mM)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Preparation</th>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>1 mM</td>
<td>0.7798 mL</td>
<td>3.8988 mL</td>
<td>7.7976 mL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.1560 mL</td>
<td>0.7798 mL</td>
<td>1.5595 mL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.0780 mL</td>
<td>0.3899 mL</td>
<td>0.7798 mL</td>
<td></td>
</tr>
</tbody>
</table>

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

**BIOLOGICAL ACTIVITY**

**Description**
Deslorelin is a GnRH agonist. Deslorelin implants can be used as an alternative to dopamine agonists to induce fertile estrus in the bitch in anoestrus. The deslorelin implant can be used successfully in the queen for estrus inhibition. Deslorelin acetate did not significantly affect the spontaneous contraction amplitude but caused a decrease in the frequency in the dorsal and ventral parts of the bladder.

**REFERENCES**