Cligosiban

Cat. No.: HY-15023
CAS No.: 900510-03-4
Molecular Formula: C₁₉H₁₉ClFN₅O₃
Molecular Weight: 419.84
Target: Oxytocin Receptor
Pathway: GPCR/G Protein
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 : ≥ 50 mg/mL (119.09 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Mass Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.3819 mL</td>
<td>11.9093 mL</td>
<td>23.8186 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4764 mL</td>
<td>2.3819 mL</td>
<td>4.7637 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2382 mL</td>
<td>1.1909 mL</td>
<td>2.3819 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 >> 90% corn oil
   Solubility: ≥ 3 mg/mL (7.15 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 3 mg/mL (7.15 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 3 mg/mL (7.15 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Cligosiban (PF-3274167) is a high-affinity nonpeptide oxytocin receptor (OTR) antagonist, with Ki of 9.5 nM. IC₅₀ value: 9.5 nM [1]. Target: oxytocin receptor (OTR)

CUSTOMER VALIDATION

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

REFERENCES


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