BMS-813160

Cat. No.: HY-109593
CAS No.: 1286279-29-5
Molecular Formula: \( \text{C}_{25}\text{H}_{40}\text{N}_{8}\text{O}_{2} \)
Molecular Weight: 484.64
Target: CCR
Pathway: GPCR/G Protein; Immunology/Inflammation
Storage: 4°C, protect from light
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

**SOLVENT & SOLUBILITY**

**In Vitro**
DMSO: 25 mg/mL (51.58 mM; Need ultrasonic and warming)

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.0634 mL</td>
<td>10.3169 mL</td>
<td>20.6339 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4127 mL</td>
<td>2.0634 mL</td>
<td>4.1268 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2063 mL</td>
<td>1.0317 mL</td>
<td>2.0634 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: ≥ 2.08 mg/mL (4.29 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (4.29 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (4.29 mM); Clear solution

**BIOLOGICAL ACTIVITY**

**Description**
BMS-813160 is the first dual CCR2/CCR5 antagonist, has the potential for cardiovascular treatment.

**IC\(_{50}\) & Target**
- CCR2
- CCR5

**CUSTOMER VALIDATION**
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