A-803467

Cat. No.: HY-11079
CAS No.: 944261-79-4
Molecular Formula: C₁₉H₁₆ClNO₄
Molecular Weight: 357.79
Target: Sodium Channel
Pathway: Membrane Transporter/Ion Channel
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 (139.75 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
<td>2.7949 mL</td>
<td>13.9747 mL</td>
<td>27.9494 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.5590 mL</td>
<td>2.7949 mL</td>
<td>5.5899 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.2795 mL</td>
<td>1.3975 mL</td>
<td>2.7949 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 (6.99 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.99 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
A 803467 is a selective Nav1.8 sodium channel blocker with an IC50 of 8 nM; over 100-fold more selective vs. human Nav1.2, 1.3, 1.5 and 1.7. IC50 value: 8 nM
Target: Nav1.8 sodium channel
A 803467 dose-dependently reduces behavioral responses in a variety of neuropathic and inflammatory pain models.

CUSTOMER VALIDATION
REFERENCES


