CPI-169 (racemate)

Cat. No.: HY-15956
CAS No.: 1450655-76-1
Molecular Formula: C₂₇H₃₆N₄O₅S
Molecular Weight: 528.66
Target: Epigenetic Reader Domain
Pathway: Epigenetics
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 : ≥ 59 mg/mL (111.60 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>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>1.8916 mL</td>
<td>9.4579 mL</td>
<td>18.9157 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3783 mL</td>
<td>1.8916 mL</td>
<td>3.7832 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1892 mL</td>
<td>0.9458 mL</td>
<td>1.8916 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 mg/mL (3.78 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2 mg/mL (3.78 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2 mg/mL (3.78 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
CPI-169 racemate is the racemate of CPI-169. CPI-169 is a novel and potent EZH2 inhibitor.

REFERENCES