BMS-983970

Cat. No.: HY-12419
CAS No.: 1584713-87-0
Molecular Formula: C_{26}H_{26}F_{4}N_{4}O_{3}
Molecular Weight: 518.5
Target: Notch
Pathway: Neuronal Signaling; Stem Cell/Wnt
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 (96.43 mM)
H_{2}O : < 0.1 mg/mL (insoluble)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

<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>1.9286 mL</td>
<td>9.6432 mL</td>
<td>19.2864 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3857 mL</td>
<td>1.9286 mL</td>
<td>3.8573 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1929 mL</td>
<td>0.9643 mL</td>
<td>1.9286 mL</td>
</tr>
</tbody>
</table>

In Vivo
1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (4.82 mM); Suspended solution; Need ultrasonic and warming
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (4.82 mM); Suspended solution; Need ultrasonic and warming
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
BMS-983970 is an oral pan-Notch inhibitor for the treatment of cancer.

REFERENCES

www.MedChemExpress.com