Conteltinib

Cat. No.: HY-109084
CAS No.: 1384860-29-0
Molecular Formula: C₃₂H₄₅N₉O₃S
Molecular Weight: 635.82
Target: FAK
Pathway: Protein Tyrosine Kinase/RTK
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 : 31.25 mg/mL (49.15 mM); Need ultrasonic

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>1.5728 mL</td>
<td>7.8639 mL</td>
<td>15.7277 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3146 mL</td>
<td>1.5728 mL</td>
<td>3.1455 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1573 mL</td>
<td>0.7864 mL</td>
<td>1.5728 mL</td>
<td></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 (3.27 mM); Clear solution

2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (3.27 mM); Clear solution

3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (3.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Conteltinib (CT-707) is a multi-kinase inhibitor targeting FAK, ALK, and Pyk2. Conteltinib (CT-707) exerts significant inhibitory effect on FAK with an IC₅₀ of 1.6 nM[1].

IC₅₀ & Target
IC₅₀: 1.6 nM (FAK)[1]
REFERENCES