PF-04418948

Cat. No.: HY-18966
CAS No.: 1078166-57-0
Molecular Formula: C₂₃H₂₀FNO₅
Molecular Weight: 409.41
Target: Prostaglandin Receptor
Pathway: GPCR/G Protein
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 : ≥ 100 mg/mL (244.25 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Mass for 1 mg</th>
<th>Mass for 5 mg</th>
<th>Mass for 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.4425 mL</td>
<td>12.2127 mL</td>
<td>24.4254 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4885 mL</td>
<td>2.4425 mL</td>
<td>4.8851 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2443 mL</td>
<td>1.2213 mL</td>
<td>2.4425 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 (6.11 mM); Clear solution

2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-ß-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.11 mM); Clear solution

3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
PF-04418948 is an orally active, potent and selective prostaglandin EP2 receptor antagonist with an IC₅₀ of 16 nM.

CUSTOMER VALIDATION

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REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.
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