Eltrombopag

Cat. No.: HY-15306
CAS No.: 496775-61-2
Molecular Formula: $C_{25}H_{22}N_{4}O_{4}$
Molecular Weight: 442.47
Target: Thrombopoietin Receptor
Pathway: Immunology/Inflammation
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 : 33.33 mg/mL (75.33 mM; Need ultrasonic)
$H_2O : < 0.1 mg/mL$ (insoluble)

<table>
<thead>
<tr>
<th>Mass</th>
<th>Preparing Stock Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mg</td>
<td>2.2600 mL</td>
</tr>
<tr>
<td>5 mg</td>
<td>0.4520 mL</td>
</tr>
<tr>
<td>10 mg</td>
<td>0.2260 mL</td>
</tr>
</tbody>
</table>

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mM</th>
<th>5 mM</th>
<th>10 mM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mg</td>
<td>2.2600 mL</td>
<td>11.3002 mL</td>
<td>22.6004 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4520 mL</td>
<td>2.2600 mL</td>
<td>4.5201 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2260 mL</td>
<td>1.1300 mL</td>
<td>2.2600 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: $\geq 1 \text{ mg/mL}$ (2.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Eltrombopag (SB-497115) is a thrombopoietin (TPO) receptor agonist developed for certain conditions that lead to thrombocytopenia.

CUSTOMER VALIDATION

See more customer validations on www.MedChemExpress.com

REFERENCES


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

Tel: 609-228-6898        Fax: 609-228-5909        E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA