Selonsertib

Cat. No.: HY-18938
CAS No.: 1448428-04-3
Molecular Formula: C₂₄H₂₄FN₇O
Molecular Weight: 445.49
Target: MAP3K
Pathway: MAPK/ERK Pathway
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 mg/mL (69.59 mM)
*“≥” means soluble, but saturation unknown.

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass of 1 mg</th>
<th>Mass of 5 mg</th>
<th>Mass of 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.2447 mL</td>
<td>11.2236 mL</td>
<td>22.4472 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4489 mL</td>
<td>2.2447 mL</td>
<td>4.4894 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2245 mL</td>
<td>1.1224 mL</td>
<td>2.2447 mL</td>
<td></td>
</tr>
</tbody>
</table>

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description
Selonsertib is an apoptosis signal-regulating kinase 1 (ASK1) inhibitor with a pIC₅₀ of 8.3 ± 0.07.

IC₅₀ & Target
ASK1, pIC₅₀: 8.3

In Vitro
Selonsertib (GS-4997) is a clinical stage ASK1 inhibitor, which has been evaluated as an experimental treatment for diabetic nephropathy and kidney fibrosis[1]. Selonsertib (GS-4997) is a highly selective and potent once-daily oral ASK1 inhibitor that competes with ATP in the ASK1 catalytic kinase domain[2].

REFERENCES