SB 239063

Cat. No.: HY-11068
CAS No.: 193551-21-2
Molecular Formula: C₂₀H₂₁FN₄O₂
Molecular Weight: 368.4
Target: p38 MAPK
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

<table>
<thead>
<tr>
<th>Solvent &amp; Solubility</th>
<th>In Vitro</th>
<th>10 mM in DMSO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparing Stock Solutions</td>
<td>1 mg</td>
<td>5 mg</td>
</tr>
<tr>
<td>Solvent Concentration</td>
<td>1 mM</td>
<td>2.7144 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5429 mL</td>
<td>2.7144 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2714 mL</td>
<td>1.3572 mL</td>
</tr>
</tbody>
</table>

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

In Vivo

1. SB 239063 is prepared in vehicle (50% dimethyl sulfoxide in polyethylene glycol, DMSO-PEG, n=7) [6].

BIOLOGICAL ACTIVITY

Description

SB 239063 is a potent and selective p38 MAPK inhibitor (IC₅₀ = 44 nM for p38α). SB 239063 displays > 220-fold selectivity over ERK, JNK1 and other kinases; ~ 3-fold more selective than SB 203580. IC₅₀ value: 44 nM (p38α)
Target: p38 MAPKB
SB 239063 reduces inflammatory cytokine production and is neuroprotective following oral administration in vivo.

CUSTOMER VALIDATION

REFERENCES


