SB-242235

4-(4-(4-fluorophenyl)-1-(piperidin-4-yl)-1H-imidazol-5-yl)-2-methoxypyrimidine

CAS Registry No.: 193746-75-7

Smiles String:
COc1nccc(n1)c2c(ncn2C3CCNCC3)c4ccc(cc4)F

Molecular Weight: 353.39

Molecular Formula: C19H20FN5O

Lot Number: Refer to vial

1H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

The p38 mitogen-activated protein kinase (MAPK) signaling pathway is activated by numerous inflammatory mediators and environmental stresses. SB-242235 is a potent and moderately selective p38 MAP kinase inhibitor that may be an effective therapy for cytokine-mediated diseases such as autoimmune or inflammatory diseases. SB-242235 exhibits good oral availability in preclinical studies and has micromolar or submicromolar in vivo IC 50 values. However it is clear from studies examining SB-242235 effects on metabolism, for instance in chondrocytes and human cartilage that SB-242235 effects can be pleiotropic between species and that care must be taken when studying the interactions of multi-target inhibitors such as SB-242235.
Shipping and Storage Temperature

Shipping:
Ambient

Storage:
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

15 mM in DMSO

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Stock Solution (1ml DMSO)</th>
<th>1mM</th>
<th>10mM</th>
<th>20mM</th>
<th>50mM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass(mg)</td>
<td>0.3533</td>
<td>3.5339</td>
<td>7.0678</td>
<td>17.6695</td>
</tr>
</tbody>
</table>

References


Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.