Ponatinib

3-((imidazo[1,2-b]pyridazin-3-yl)ethynyl)-4-methyl-N-(4-((4-methylpiperazin-1-yl)methyl)-3-(trifluoromethyl)phenyl)benzamide

CAS Registry No.: 943319-70-8

Smiles String:
CC1=C(C=C(C=C1)C(=O)NC2=CC(=C(C=C2)CN3CCN(CC3)C(F)(F)F)C#CC4=CN=C5

Molecular Weight: 532.56

Molecular Formula: C_{29}H_{27}F_{3}N_{6}O

Lot Number: Refer to vial

1H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

Ponatinib is a potent multi-target inhibitor of Abl, PDGFRalpha, VEGFR2, FGFR1 and Src with IC_{50} values of 0.37, 1.1, 1.5, 2.2 and 5.4 nM respectively.

Biological Activity
Shipping and Storage Temperature

**Shipping:**
Ambient

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

Solubility

DMSO 107mg/mL, Ethanol 107mg/mL

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>0.5326</td>
<td>5.3260</td>
<td>10.6520</td>
<td>26.6300</td>
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</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.