Sorafenib

4-[4-[[4-chloro-3-(trifluoromethyl)phenyl]carbamoylamino]phenoxy]-N-methylpyridine-2-carboxamide

CAS Registry No.: 284461-73-0

Smiles String:
CNC(=O)c1cc(cc1)Oc2ccc(cc2)NC(=O)Nc3ccc(c(c3)C(F)(F)F)Cl

Molecular Weight: 464.82

Molecular Formula: C21H16ClF3N4O3

Lot Number: Refer to vial

1H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

Sorafenib is a multi-kinase inhibitor targeting a number of serine/threonine and receptor tyrosine kinases. It inhibits Raf-1, B-Raf and VEGFR-2 with IC50 values of 6 nM, 22 nM and 90 nM, respectively.

Biological Activity
**Shipping and Storage Temperature**

**Shipping:**
Ambient

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

**Solubility**

DMSO 127mg/mL, Ethanol 1mg/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>0.4648</td>
<td>4.6842</td>
<td>9.2964</td>
<td>23.2410</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.