

# Regorafenib

SYN-1169

4-(4-(3-(4-chloro-3-(trifluoromethyl)phenyl)ureido)-3-fluorophenoxy)-N-methylpicolinamide

CAS Registry No.: 755037-03-7

**Smiles String:**

CNC(=O)c1cc(ccn1)Oc2ccc(c(c2)F)NC(=O)Nc3ccc(c(c3)C(F)(F)F)Cl

Molecular Weight: 482.82

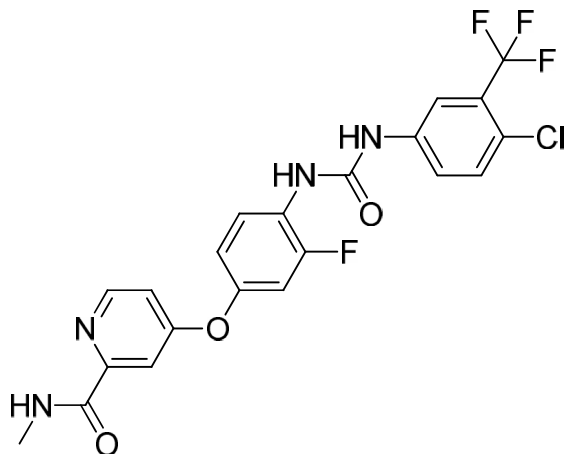
Molecular Formula: C<sub>21</sub>H<sub>15</sub>ClF<sub>4</sub>N<sub>4</sub>O<sub>3</sub>

Lot Number: Refer to vial

<sup>1</sup>H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

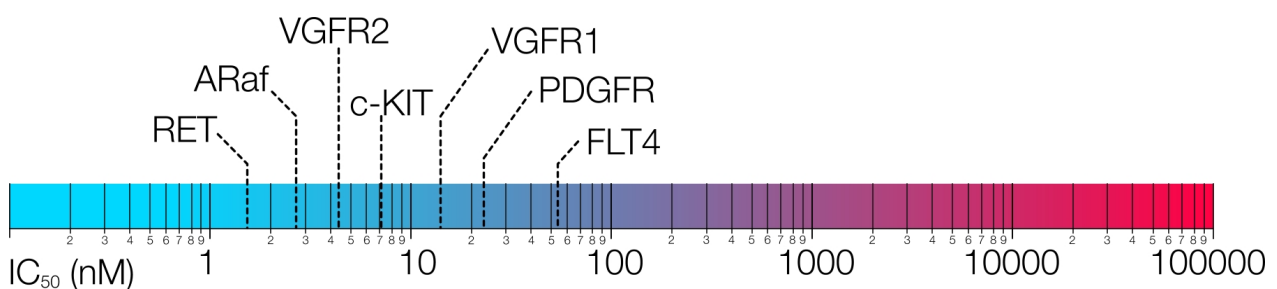
ES-MS: Available on request



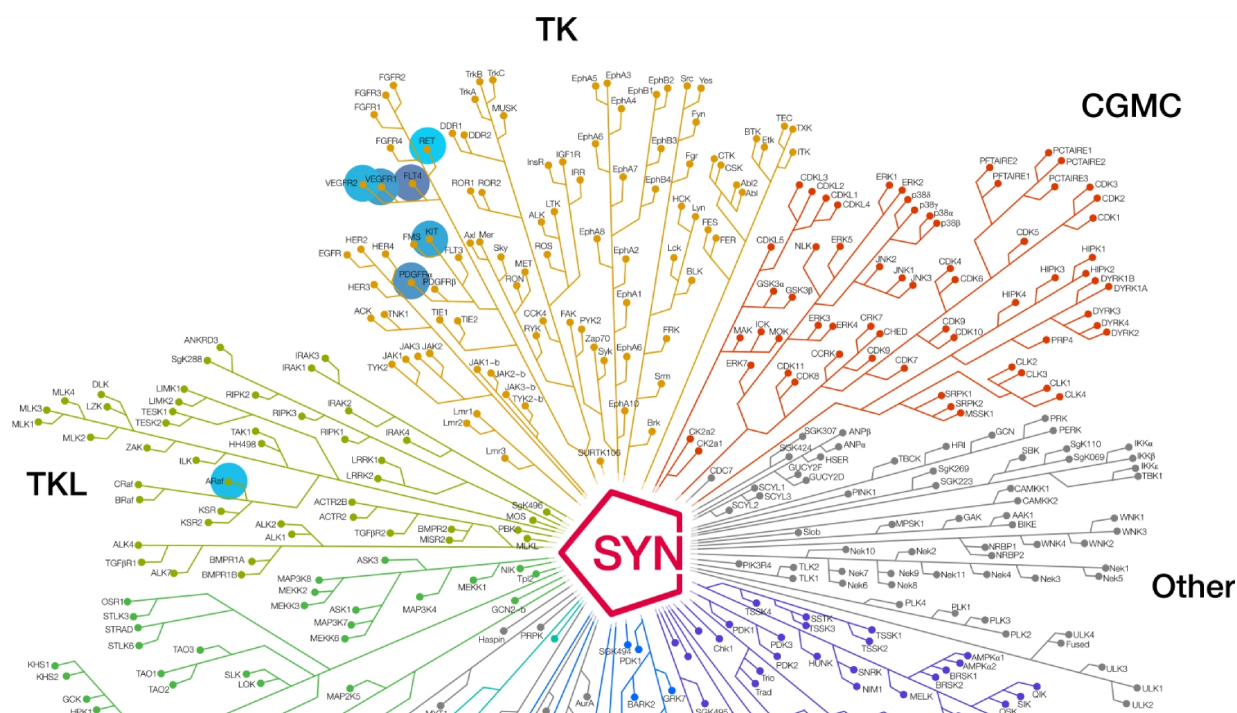
## Description:

Regorafenib (BAY 73-4506, Fluoro-Sorafenib) is a multi-target inhibitor for VEGFR1, VEGFR2, VEGFR3, PDGFR, Kit, RET and Raf-1 with IC<sub>50</sub> values of 13, 4.2, 46, 22, 7, 1.5 and 2.5 nM, respectively.

## Biological Activity



## Kinome Mapping



## 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 97mg/mL, Ethanol 1mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4828	4.8282	9.6564	24.1410

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## References

1. Wilhelm SM, Dumas J, Adnane L, Lynch M, Carter CA, Schütz G, Thierauch KH, Zopf D. Regorafenib (BAY 73-4506): a new oral multikinase inhibitor of angiogenic, stromal and oncogenic receptor tyrosine kinases with potent preclinical antitumor activity. *Int J Cancer*. 2011 Jul 1;129(1):245-55. doi: 10.1002/ijc.25864. Epub 2011 Apr 22.

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## Ordering Information

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

Product Datasheet (Rev. 1.1)