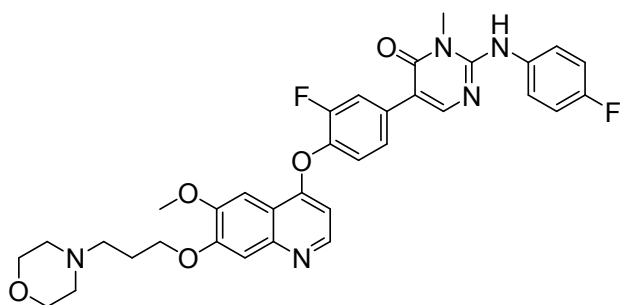


5-(3-fluoro-4-(6-methoxy-7-(3-morpholinopropoxy)quinolin-4-yloxy)phenyl)-2-(4-fluorophenylamino)-3-methylpyrimidin-4(3H)-one

CAS Registry No.: 890019-63-3

Smiles String:

Cn1c(=O)c(cnc1Nc2ccc(cc2)F)c3ccc(c(c3)F)Oc4ccnc5c4cc(c5)OCCCN6CCOCC6)O



Molecular Weight: 629.65

Molecular Formula: C₃₄H₃₃F₂N₅O₅

Lot Number: Refer to vial

¹H-NMR: Available on request

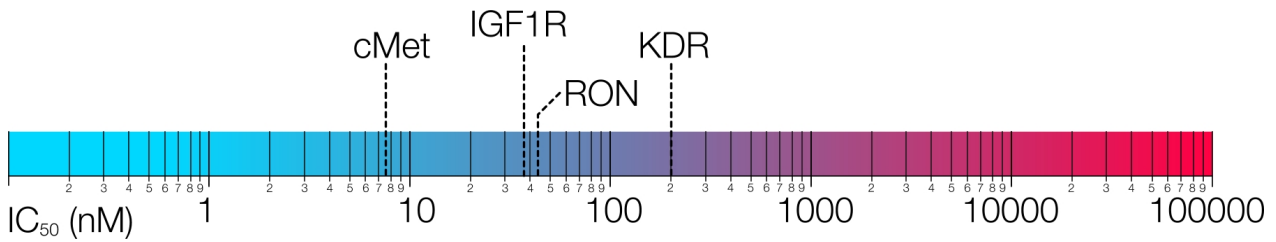
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

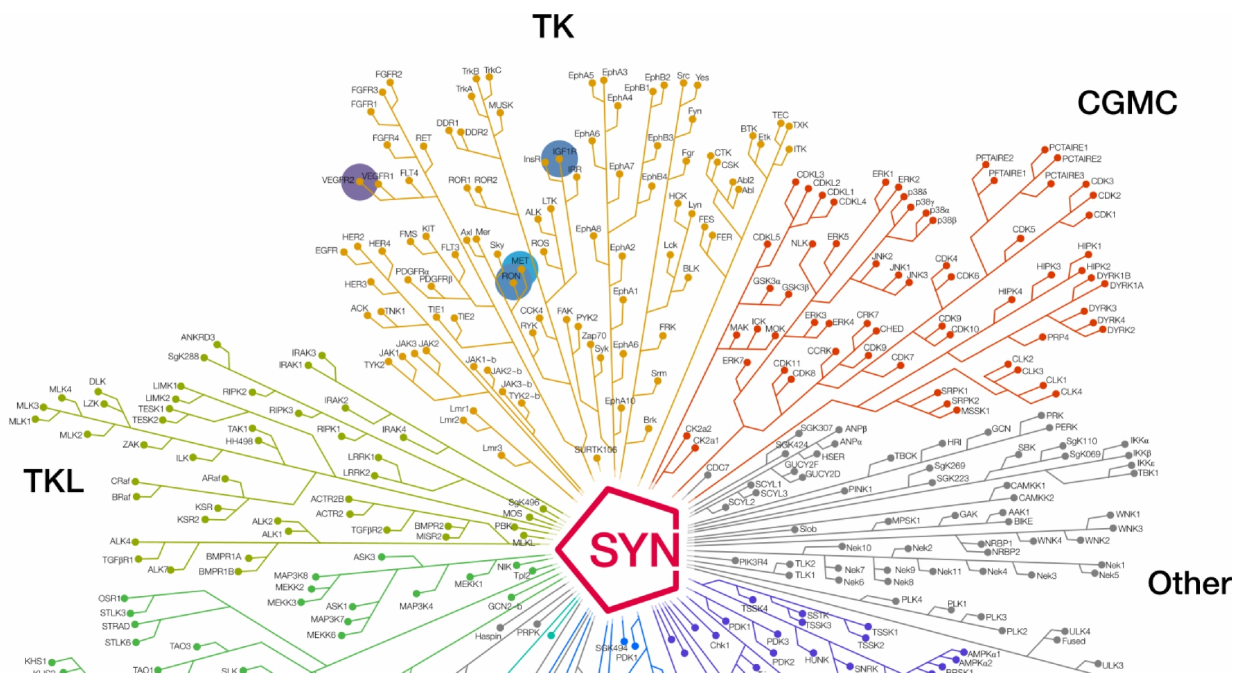
Description:

C-Met kinase is the receptor for hepatocyte growth factor (HGFR). Primarily expressed on epithelial and mesenchymal cells its normal function is associated with wound healing, liver regeneration and embryo development. However, dysregulation of c-Met through overexpression, gene amplification, mutation or a ligand-dependent autocrine/paracrine loop is associated with tumorigenesis. c-Met dysregulation in human cancer patients is typically associated with a poor prognosis, aggressive disease, increased metastasis and shortened patient survival. Targeting the hepatocyte growth factor/c-Met signalling pathway as a means of cancer therapy has, therefore, become increasingly popular with a number of different therapeutic approaches undergoing clinical trials. AMG-51 represents a modified novel pyrimidone 7 compound that demonstrates good effectiveness against c-Met with few off target effects at set concentrations. AMG-51 shows the enzyme selectivity of c-Met with a K_i of 4.9 nM, with off target proteins such as IGFR with a K_i of 22nM, Ron with a K_i of 28nM, and KDR with K_i of 139 nM.

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

15 mM in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.6297	6.2970	12.5940	31.4850

References

1. D'Angelo ND, Bellon SF, Booker SK, Cheng Y, Coxon A, Dominguez C, Fellows I, Hoffman D, Hungate R, Kaplan-Lefko P, Lee MR, Li C, Liu L, Rainbeau E, Reider PJ, Rex K, Siegmund A, Sun Y, Tasker AS, Xi N, Xu S, Yang Y, Zhang Y, Burgess TL, Dussault I, Kim TS. Design, synthesis, and biological evaluation of potent c-Met inhibitors. *J Med Chem.* 2008 Sep 25;51(18):5766-79. doi: 10.1021/jm8006189. PubMed PMID: 18763753.

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.

Product Datasheet (Rev. 1.1)