

E7080

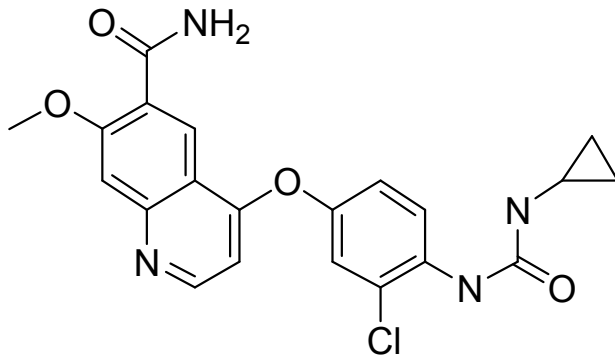
SYN-1038

1-(4-(6-carbamoyl-7-methoxyquinolin-4-yloxy)-2-chlorophenyl)-3-cyclopropylurea

CAS Registry No.: 417716-92-8

Smiles String:

COc1cc2c(cc1C(=O)N)c(ccn2)Oc3ccc(c(c3)Cl)NC(=O)NC4CC4



Molecular Weight: 426.85

Molecular Formula: C₂₁H₁₉ClN₄O₄

Lot Number: Refer to vial

¹H-NMR: Available on request

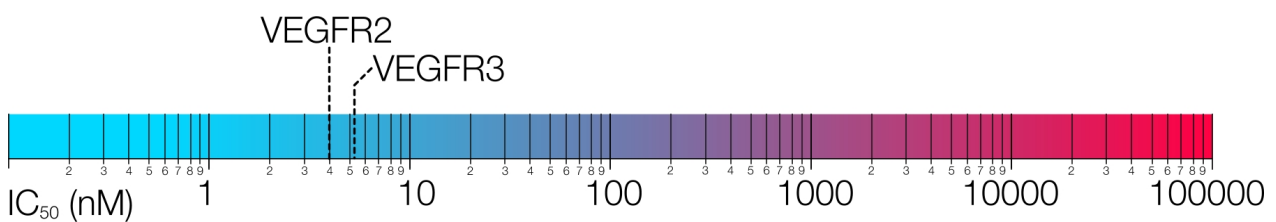
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

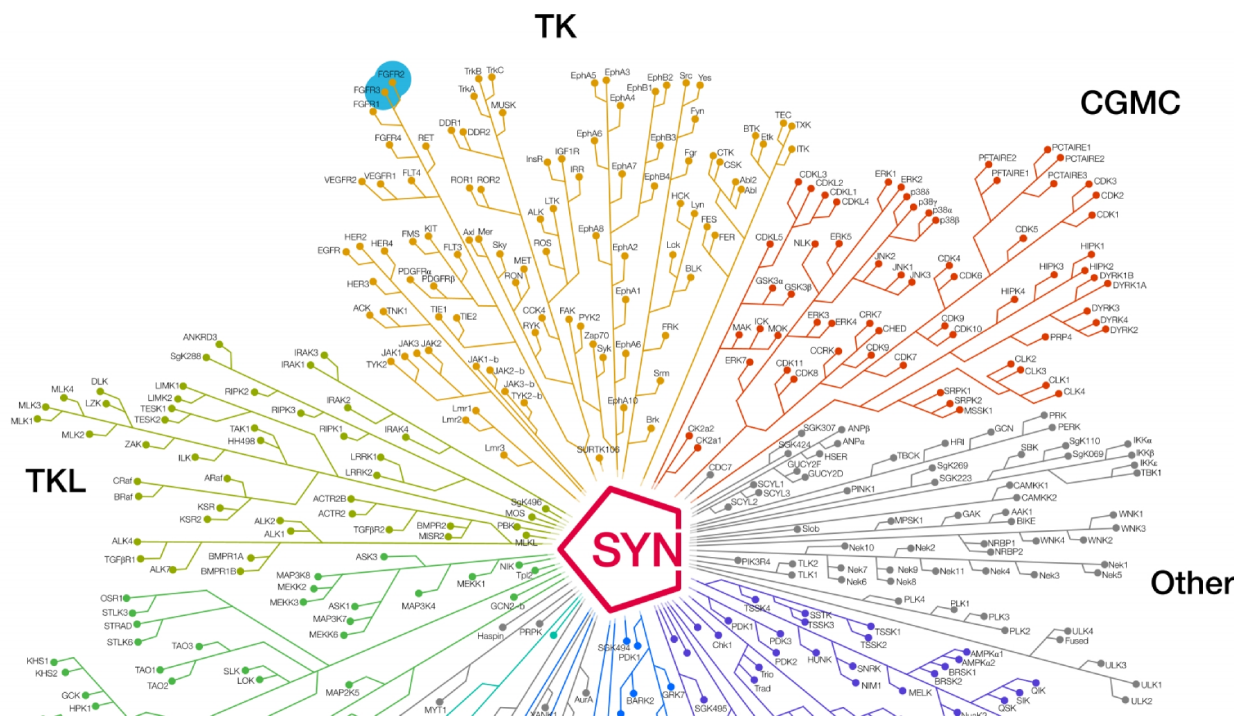
Description:

E7080 is an orally active inhibitor of multiple receptor tyrosine kinases including VEGF, FGF and SCF receptors. It is most potent against VEGFR2(KDR)/VEGFR3(Fit-4), with IC₅₀ values of 4 nM and 5.2 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 40mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4269	4.2690	8.5380	21.3450

References

1. Matsui J , Funahashi Y, Uenaka T, Watanabe T, Tsuruoka A, Asada M . Multi-kinase inhibitor E7080 suppresses lymph node and lung metastases of human mammary breast tumor MDA-MB-231 via inhibition of vascular endothelial growth factor-receptor (VEGF-R) 2 and VEGF-R3 kinase. Clin Cancer Res. 2008 Sep 1;14(17):5459-65. doi: 10.1158/1078-0432.CCR-07-5270.

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)