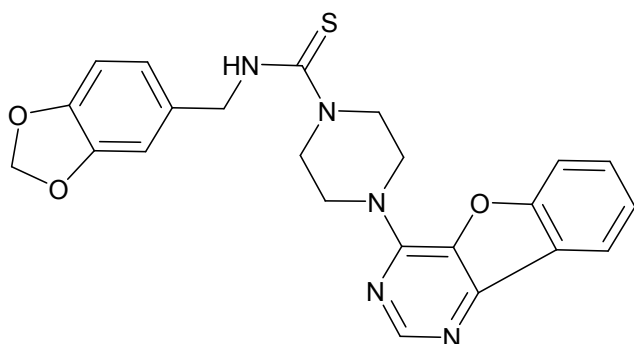


Amuvatinib

SYN-1056



N-((benzo[d][1,3]dioxol-6-yl)methyl)-4-(benzofuro[3,2-d]pyrimidin-4-yl)piperazine-1-carbothioamide

CAS Registry No.: 850879-09-3

Smiles String:

c1ccc2c(c1)c3c(o2)c(ncn3)N4CCN(CC4)C(=S)NC5ccc6c(c5)OCO6

Molecular Weight: 447.51

Molecular Formula: C₂₃H₂₁N₅O₃S

Lot Number: Refer to vial

¹H-NMR: Available on request

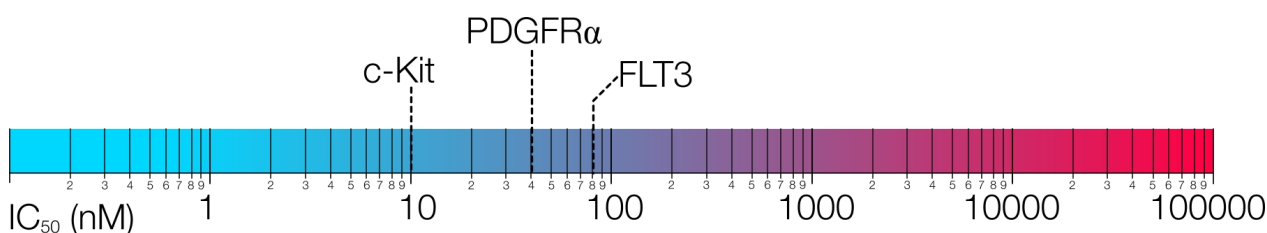
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

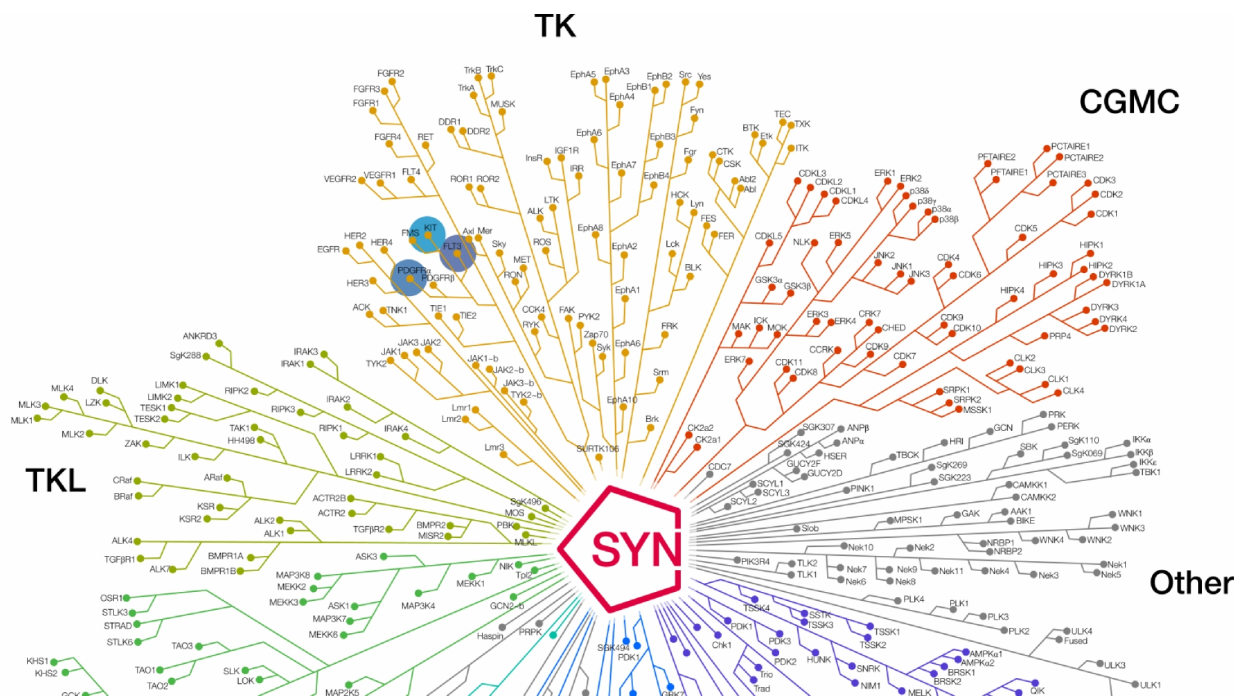
Description:

Amuvatinib is a potent, novel and orally active multi-targeted tyrosine kinase inhibitor, which inhibits a number of validated tumor targets including c-kit, PDGFR α and flt3, with IC₅₀ values of 10 nM, 40 nM and 81 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 32mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4476	4.4760	8.9520	22.3800

References

1. Qi W, Cooke LS, Stejskal A, Riley C, Croce KD, Saldanha JW, Bearss D, Mahadevan D . MP470, a novel receptor tyrosine kinase inhibitor, in combination with Erlotinib inhibits the HER family/PI3K/Akt pathway and tumor growth in prostate cancer. BMC Cancer. 2009 May 11;9:142. doi: 10.1186/1471-2407-9-142.

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)