

Tandutinib

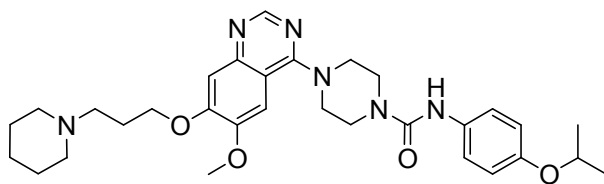
SYN-1088

N-(4-isopropoxyphenyl)-4-(6-methoxy-7-(3-(piperidin-1-yl)propoxy)quinazolin-4-yl)piperazine-1-carboxamide

CAS Registry No.: 387867-13-2

Smiles String:

CC(C)Oc1ccc(cc1)NC(=O)N2CCN(CC2)c3c4cc(c(cc4ncn3)OCCCN5CCCCC5)OC



Molecular Weight: 562.7

Molecular Formula: C₃₁H₄₂N₆O₄

Lot Number: Refer to vial

¹H-NMR: Available on request

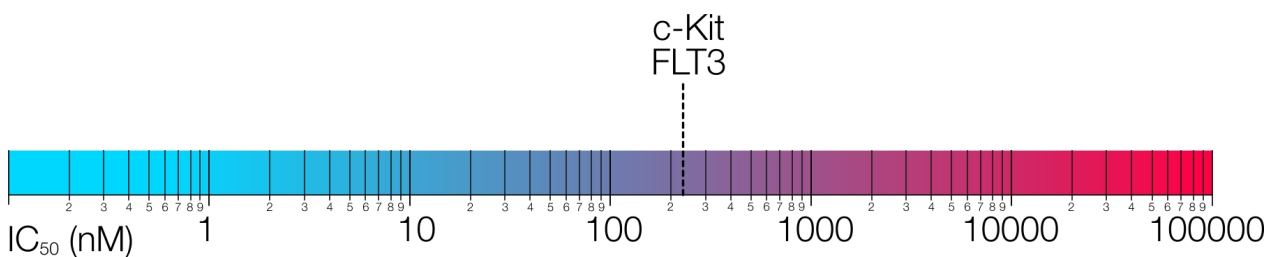
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

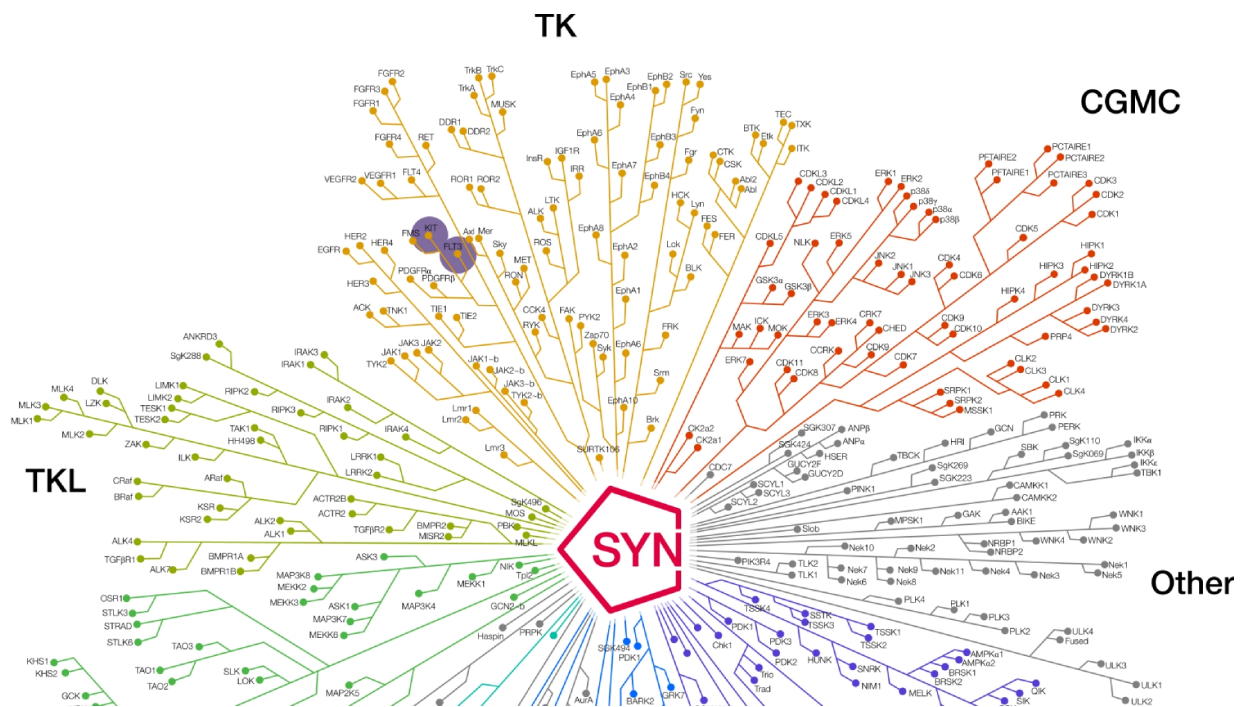
Description:

Tandutinib inhibits the auto-phosphorylation of FLT3 (FMS-Like Tyrosine kinase-3, IC₅₀ of 0.22 μM), c-KIT and PDGF (platelet-derived growth factor), thereby inhibiting cellular proliferation and inducing apoptosis.

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 5mg/mL, Ethanol 19mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5627	5.6270	11.2540	28.1350

References

1. Kelly LM, Yu JC, Boulton CL, Apatira M, Li J, Sullivan CM, Williams I, Amaral SM, Curley DP, Duclos N, Neuberg D, Scarborough RM, Pandey A, Hollenbach S, Abe K, Lokker NA, Gilliland DG, Giese NA. CT53518, a novel selective FLT3 antagonist for the treatment of acute myelogenous leukemia (AML). *Cancer Cell*. 2002 Jun;1(5):421-32.

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)