

Masatinib

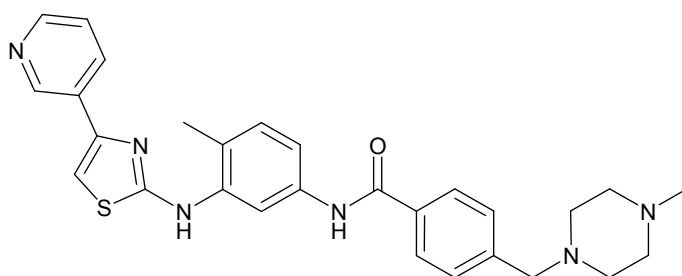
SYN-1053

N-(4-methyl-3-(4-(pyridin-3-yl)thiazol-2-ylamino)phenyl)-4-((4-methylpiperazin-1-yl)methyl)benzamide

CAS Registry No.: 790299-79-5

Smiles String:

Cc1ccc(cc1Nc2nc(cs2)c3cccnc3)NC(=O)c4ccc(cc4)CN5CCN(CC5)C



Molecular Weight: 498.64

Molecular Formula: C₂₈H₃₀N₆O₂S

Lot Number: Refer to vial

¹H-NMR: Available on request

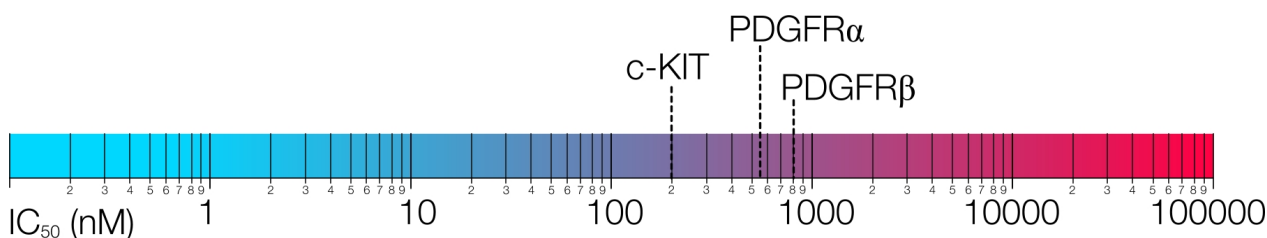
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

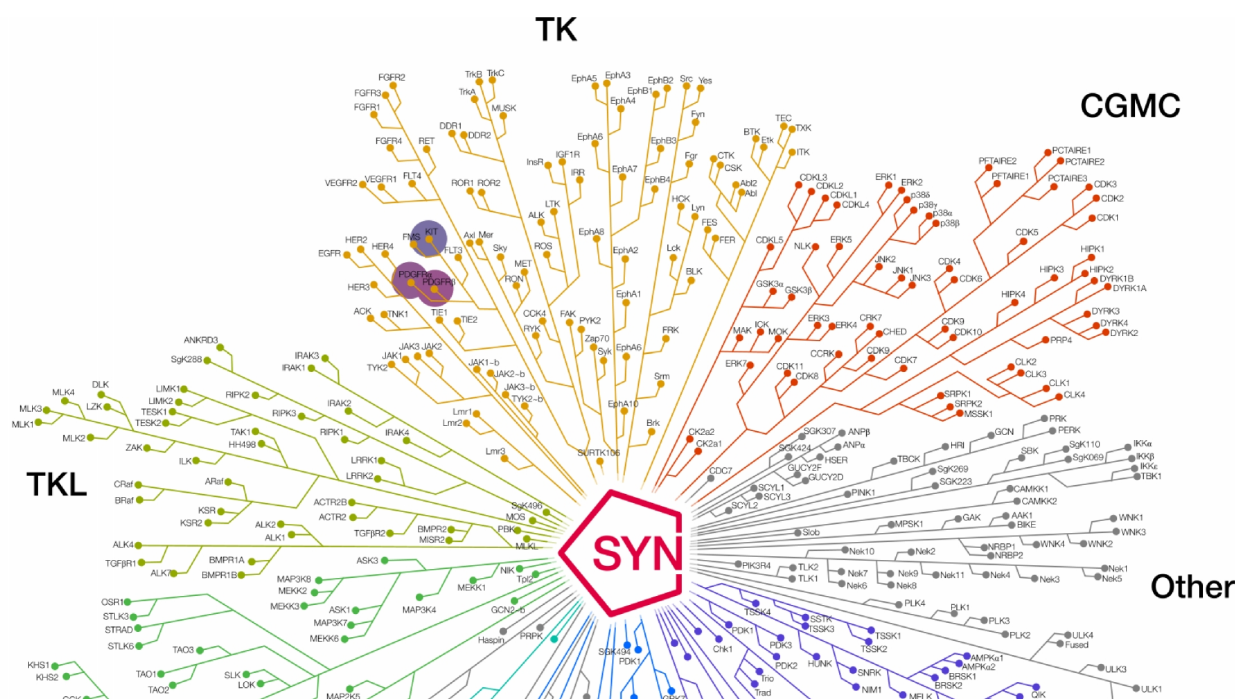
Description:

Masitinib is a potent, orally available protein tyrosine kinase inhibitor targeting c-Kit, PDGFR and FGFR3. It demonstrates activity for Kit and PDGFR α /beta with IC₅₀ values of 200 nM, 540 nM and 800 nM respectively. It shows weak inhibition of ABL and c-Fms.

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 100mg/mL, Ethanol 4mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4987	4.9870	9.9740	24.9350

References

1. Dubreuil P , Letard S, Ciufolini M, Gros L, Humbert M, Castéran N, Borge L, Hajem B, Lermet A, Sippl W, Voisset E, Arock M, Auclair C, Leventhal PS, Mansfield CD, Moussy A, Hermine O . Masitinib (AB1010), a potent and selective tyrosine kinase inhibitor targeting KIT. PLoS One. 2009 Sep 30;4(9):e7258. doi: 10.1371/journal.pone.0007258.

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)