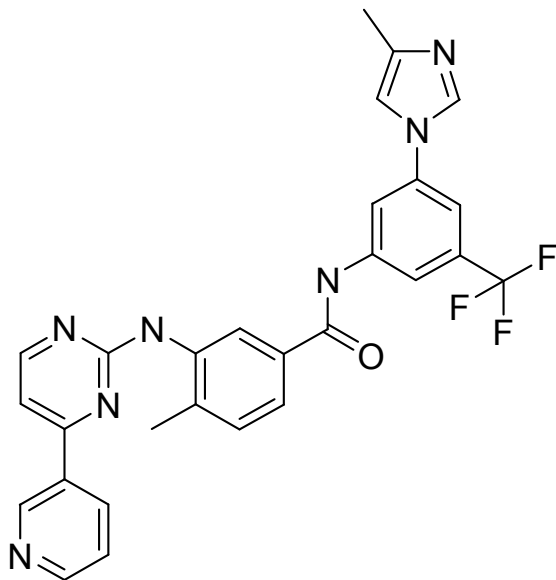


Nilotinib

SYN-1057



4-methyl-N-[3-(4-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)phenyl]-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]-Benzamide

CAS Registry No.: 641571-10-0

Smiles String:

Cc1ncn(c1)c1cc(NC(=O)c2ccc(C)c(Nc3ncc(c(n3)c3cccnc3)c2)cc(c1)C(F)(F)F

Molecular Weight: 529.52

Molecular Formula: C₂₈H₂₂F₃N₇O

Lot Number: Refer to vial

¹H-NMR: Available on request

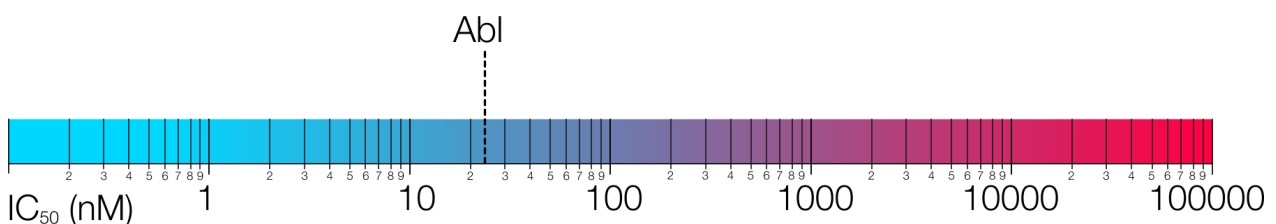
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

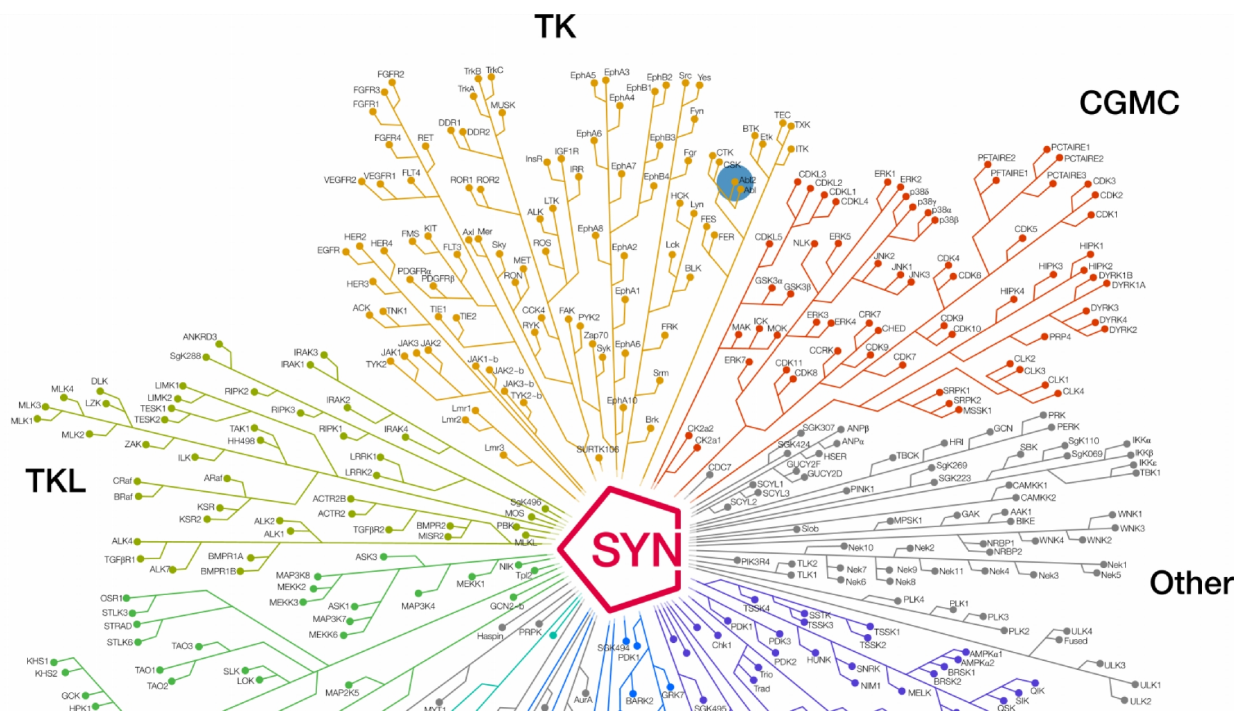
Description:

Nilotinib is an orally bio-available aminopyrimidine-derivative Bcr-Abl tyrosine kinase inhibitor (IC₅₀ <30 nM) with anti-neoplastic activity.

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 12 mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5296	5.2960	10.5920	26.4800

References

1. Weisberg E , Manley PW, Breitenstein W, Brügger J, Cowan-Jacob SW, Ray A, Huntly B, Fabbro D, Fendrich G, Hall-Meyers E, Kung AL, Mestan J, Daley GQ, Callahan L, Catley L, Cavazza C, Azam M, Neuberger D, Wright RD, Gilliland DG, Griffin JD . Characterization of AMN107, a selective inhibitor of native and mutant Bcr-Abl. Cancer Cell. 2005 Feb;7(2):129-41.

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)