

Bafetinib

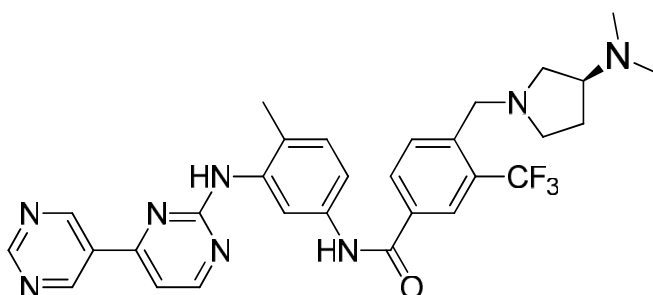
SYN-1179

(R)-N-(3-([4,5'-bipyrimidin]-2-ylamino)-4-methylphenyl)-4-((3-(dimethylamino)pyrrolidin-1-yl)methyl)-3-(trifluoromethyl)benzamide

CAS Registry No.: 859212-16-1

Smiles String:

CC1=CC=C(NC(C2=CC=C(CN3C[C@H](N(C)C)CC3)C(C(F)(F)F)=C2)=O)C=C1NC4=NC(C5=CN=CN=C5)=CC=N4



Molecular Weight: 576.62

Molecular Formula: C₃₀H₃₁F₃N₈O

Lot Number: Refer to vial

¹H-NMR: Available on request

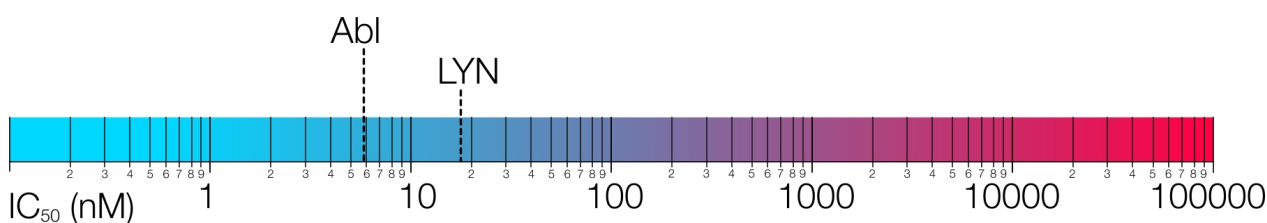
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

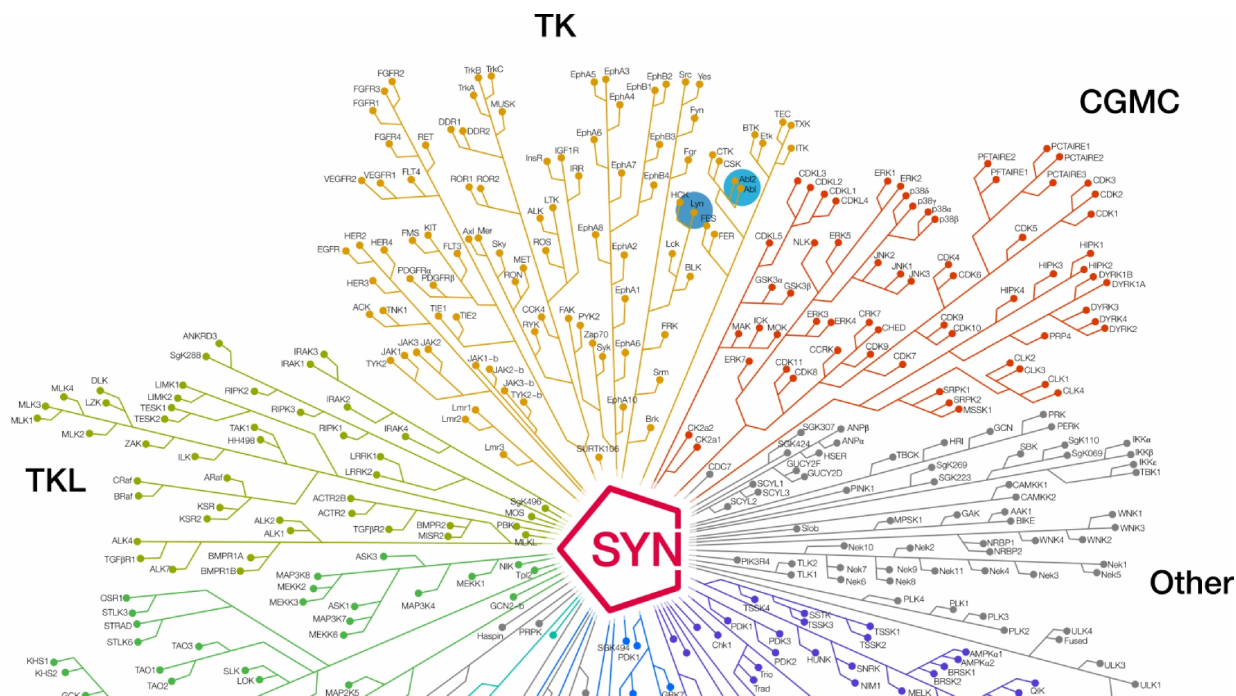
Description:

Bafetinib (INNO-406) is a potent and selective dual Bcr-Abl, Lyn inhibitor with IC₅₀ values of 5.8 nM and 19 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 115mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5767	5.7670	11.5340	28.8350

References

1. Kimura S, Naito H, Segawa H, Kuroda J, Yuasa T, Sato K, Yokota A, Kamitsuji Y, Kawata E, Ashihara E, Nakaya Y, Naruoka H, Wakayama T, Nasu K, Asaki T, Niwa T, Hirabayashi K, Maekawa T. NS-187, a potent and selective dual Bcr-Abl/Lyn tyrosine kinase inhibitor, is a novel agent for imatinib-resistant leukemia. *Blood*. 2005 Dec 1;106(12):3948-54. Epub 2005 Aug 16.

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)