

XL388

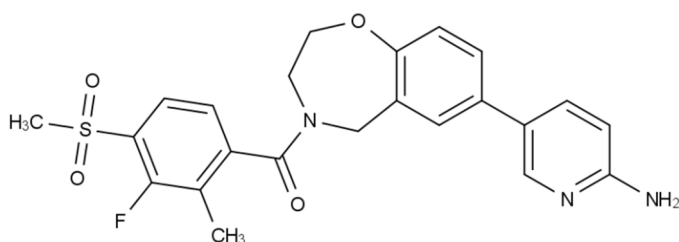
SYN-1186

(7-(6-aminopyridin-3-yl)-2,3-dihydrobenzo[f][1,4]oxazepin-4(5H)-yl)(3-fluoro-2-methyl-4-(methylsulfonyl)phenyl)m ethanone

CAS Registry No.: 1251156-08-7

Smiles String:

CC1=C(C=CC(=C1F)S(=O)(=O)C)C(=O)N2CCOC3=C(C2)C=C(C=C3)C4=CN=C(C=C4)N



Molecular Weight: 455.5

Molecular Formula: C₂₃H₂₂FN₃O₄S

Lot Number: Refer to vial

¹H-NMR: Available on request

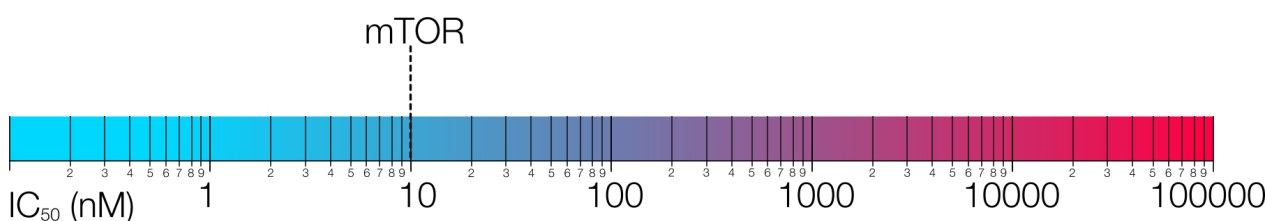
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

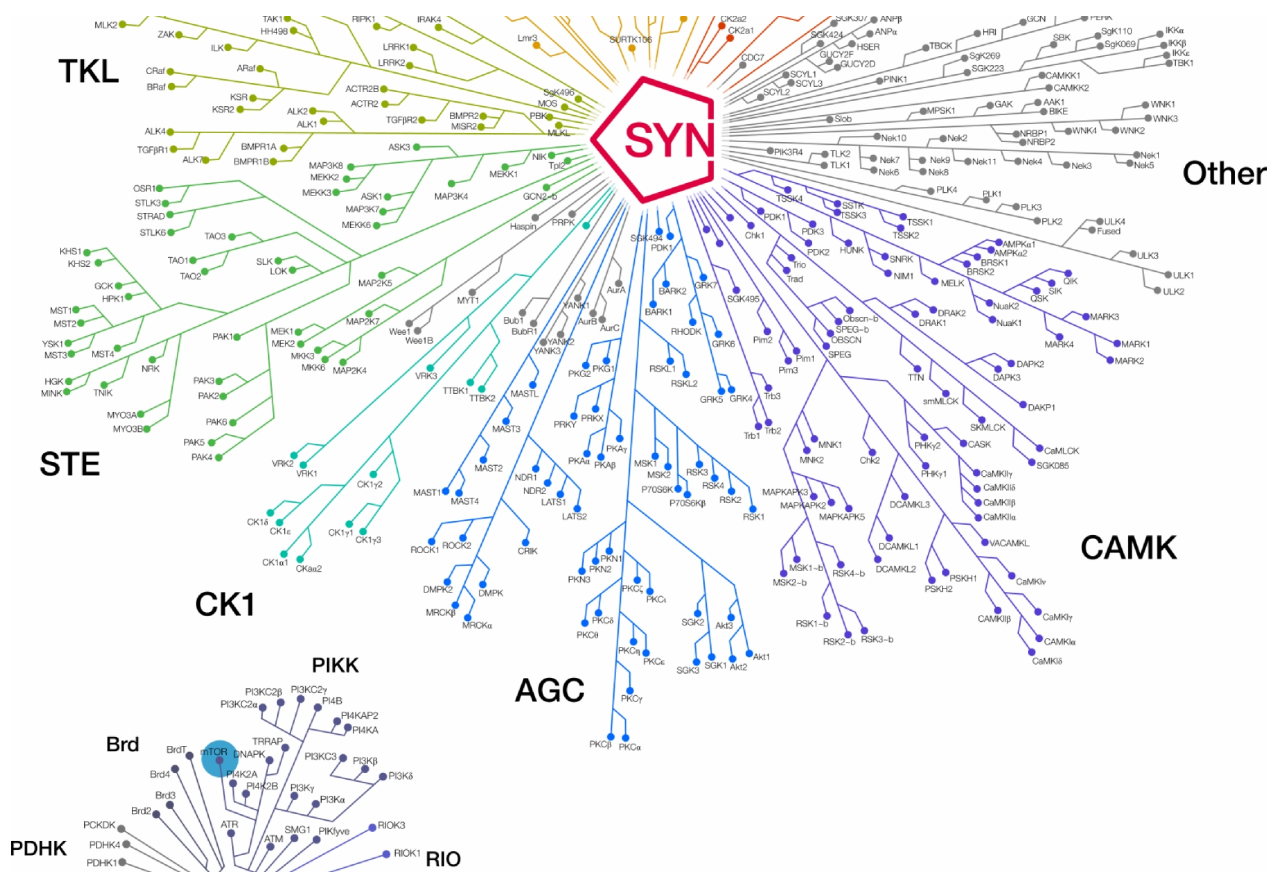
Description:

XL388 is a novel class of highly potent, selective, ATP-competitive, and orally bioavailable inhibitors of the mammalian target of rapamycin (mTOR) with an IC₅₀ of 9.9 nM.

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

20 mM in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4555	4.5550	9.1100	22.7750

References

1. Takeuchi CS, Kim BG, Blazey CM, Ma S, Johnson HW, Anand NK, Arcalas A, Baik TG, Buhr CA, Cannoy J, Epshteyn S, Joshi A, Lara K, Lee MS, Wang L, Leahy JW, Nuss JM, Aay N, Aoyama R, Foster P, Lee J, Lehoux I, Munagala N, Plonowski A, Rajan S, Woolfrey J, Yamaguchi K, Lamb P, Miller N. Discovery of a novel class of highly potent, selective, ATP-competitive, and orally bioavailable inhibitors of the mammalian target of rapamycin (mTOR). *J Med Chem.* 2013 Mar 28;56(6):2218-34. doi: 10.1021/jm3007933. Epub 2013 Mar 7. PubMed PMID: 23394126.

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)