

TGX221

SYN-1089

7-methyl-2-morpholino-9-(1-(phenylamino)ethyl)-4H-pyrido[1,2-a]pyrimidin-4-one

CAS Registry No.: 663619-89-4

Smiles String:

Cc1cc(c2nc(cc(=O)n2c1)N3CCOCC3)C(C)Nc4ccccc4

Molecular Weight: 364.44

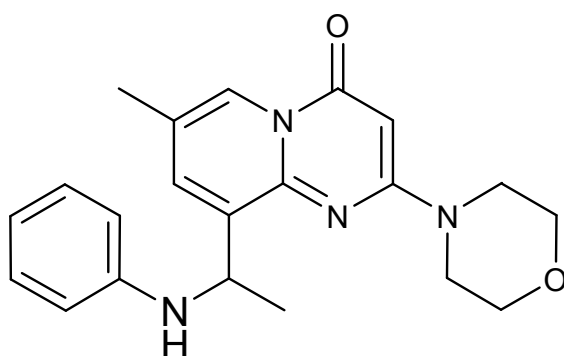
Molecular Formula: C₂₁H₂₄N₄O₂

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

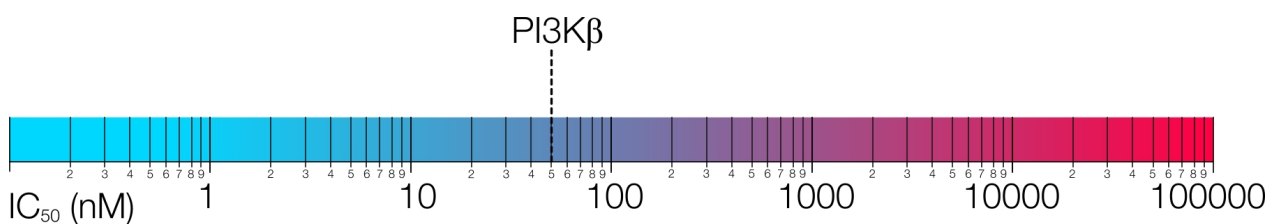
ES-MS: Available on request



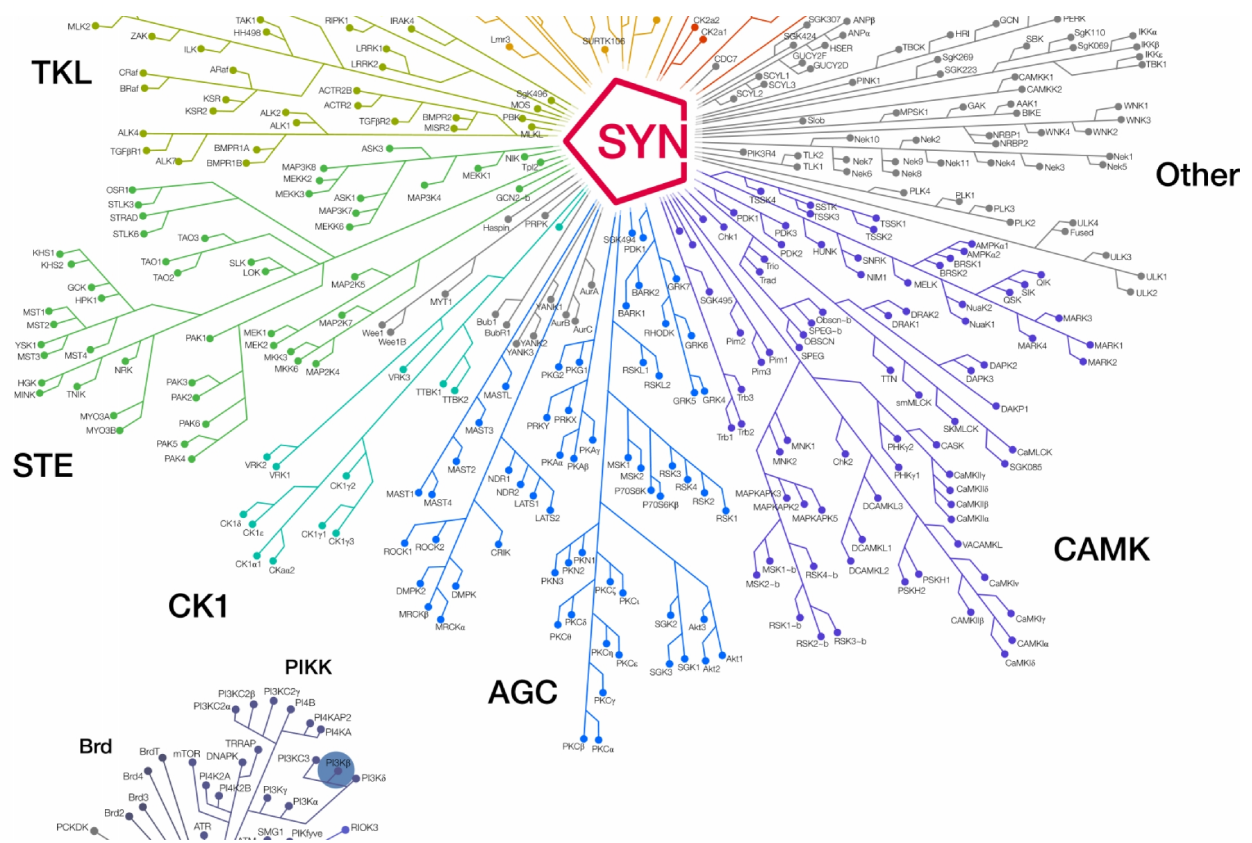
Description:

TGX221 is a potent, cell permeable ATP-competitive inhibitor of PI3K, with selectivity for the p110beta isoform (IC₅₀ of 50nM).

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 12mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3644	3.6444	7.2888	18.2220

References

1. Sturgeon SA, Jones C, Angus JA, Wright CE. Advantages of a selective beta-isoform phosphoinositide 3-kinase antagonist, an anti-thrombotic agent devoid of other cardiovascular actions in the rat. *Eur J Pharmacol.* 2008 Jun 10;587(1-3):209-15. doi: 10.1016/j.ejphar.2008.03.017. Epub 2008 Mar 29.

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)