

PIK-93

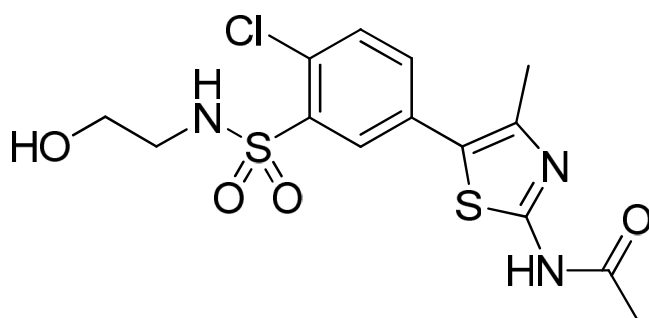
SYN-1066

N-[5-[4-Chloro-3-[(2-hydroxyethyl)sulfamoyl]phenyl]-4-methylthiazol-2-yl]acetamide

CAS Registry No.: 593960-11-3

Smiles String:

Cc1c(sc(n1)NC(=O)C)c2ccc(c(c2)S(=O)(=O)NCCO)Cl



Molecular Weight: 389.9

Molecular Formula: C₁₄H₁₆ClN₃O₄S₂

Lot Number: Refer to vial

¹H-NMR: Available on request

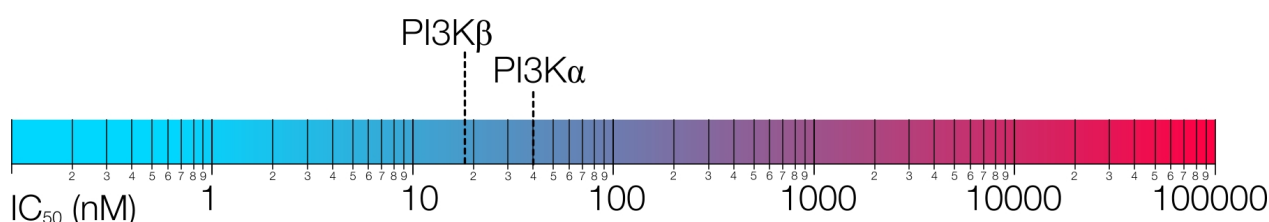
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

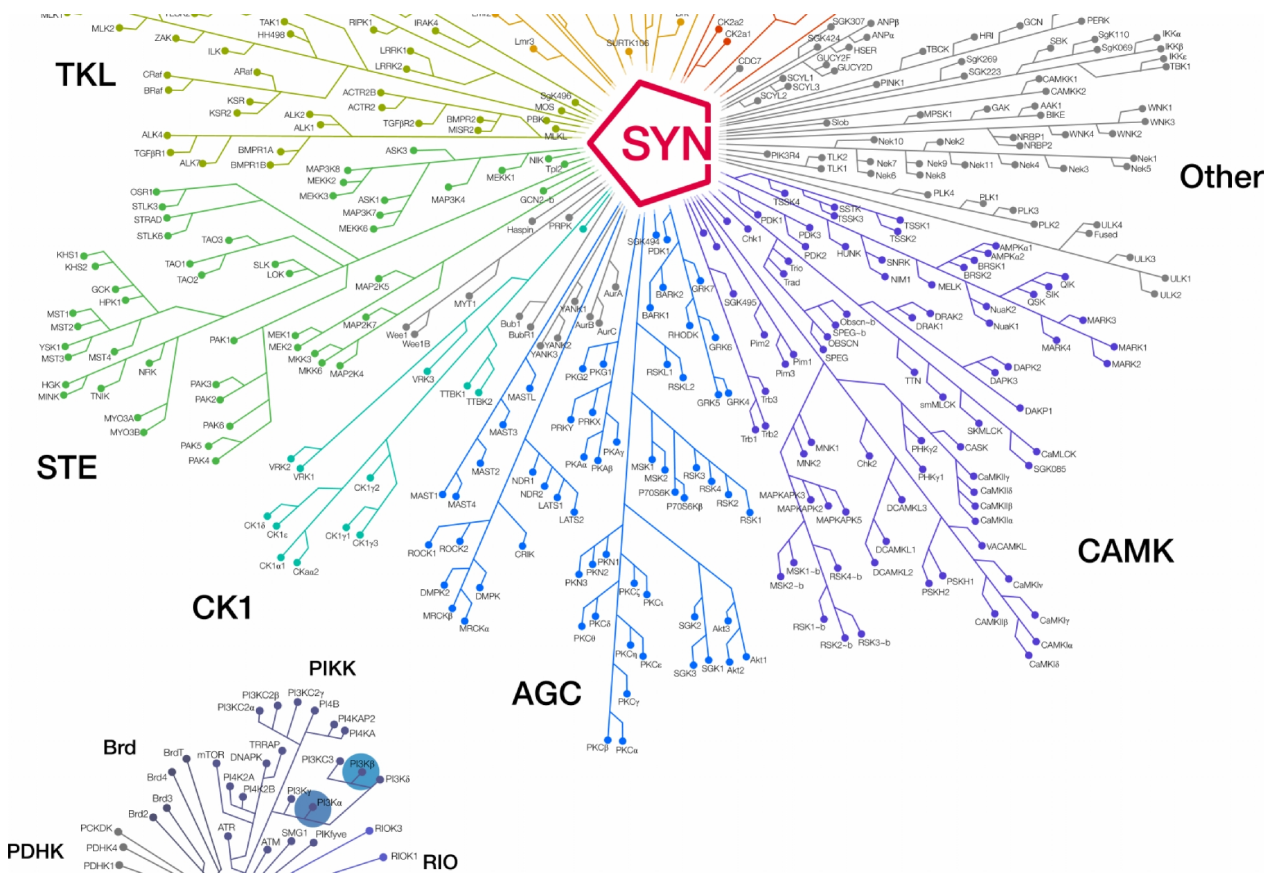
Description:

PIK-93 selectively inhibits the type III PI 4-kinase beta enzyme (IC₅₀ of 19 nM). It has also been shown to have activity on PI3Kalpha with an IC₅₀ of 39 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

DMSO 78mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3899	3.8990	7.7980	19.4950

References

1. Zunder ER , Knight ZA, Houseman BT, Apsel B, Shokat KM . Discovery of drug-resistant and drug-sensitizing mutations in the oncogenic PI3K isoform p110 alpha. Cancer Cell. 2008 Aug 12;14(2):180-92. doi: 10.1016/j.ccr.2008.06.014.

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)