

PIK-75

SYN-1067

(Z)-N'-((6-bromoH-imidazo[1,2-a]pyridin-3-yl)methylene)-N,2-dimethyl-5-nitrobenzenesulfonylhydrazide

CAS Registry No.: 372196-67-3

Smiles String:

Cc1ccc(cc1S(=O)(=O)N(C)/N=C\c2cnc3n2c(c(c3)Br)[N+](=O)[O-])

Molecular Weight: 452.28

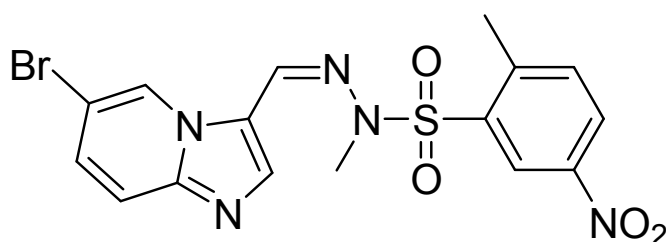
Molecular Formula: C₁₆H₁₄BrN₅O₄S

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

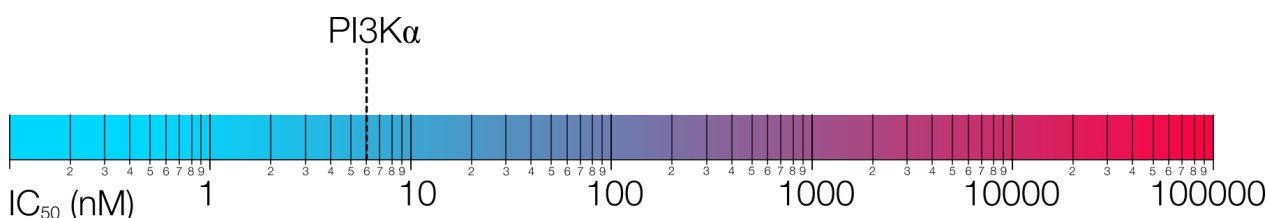
ES-MS: Available on request



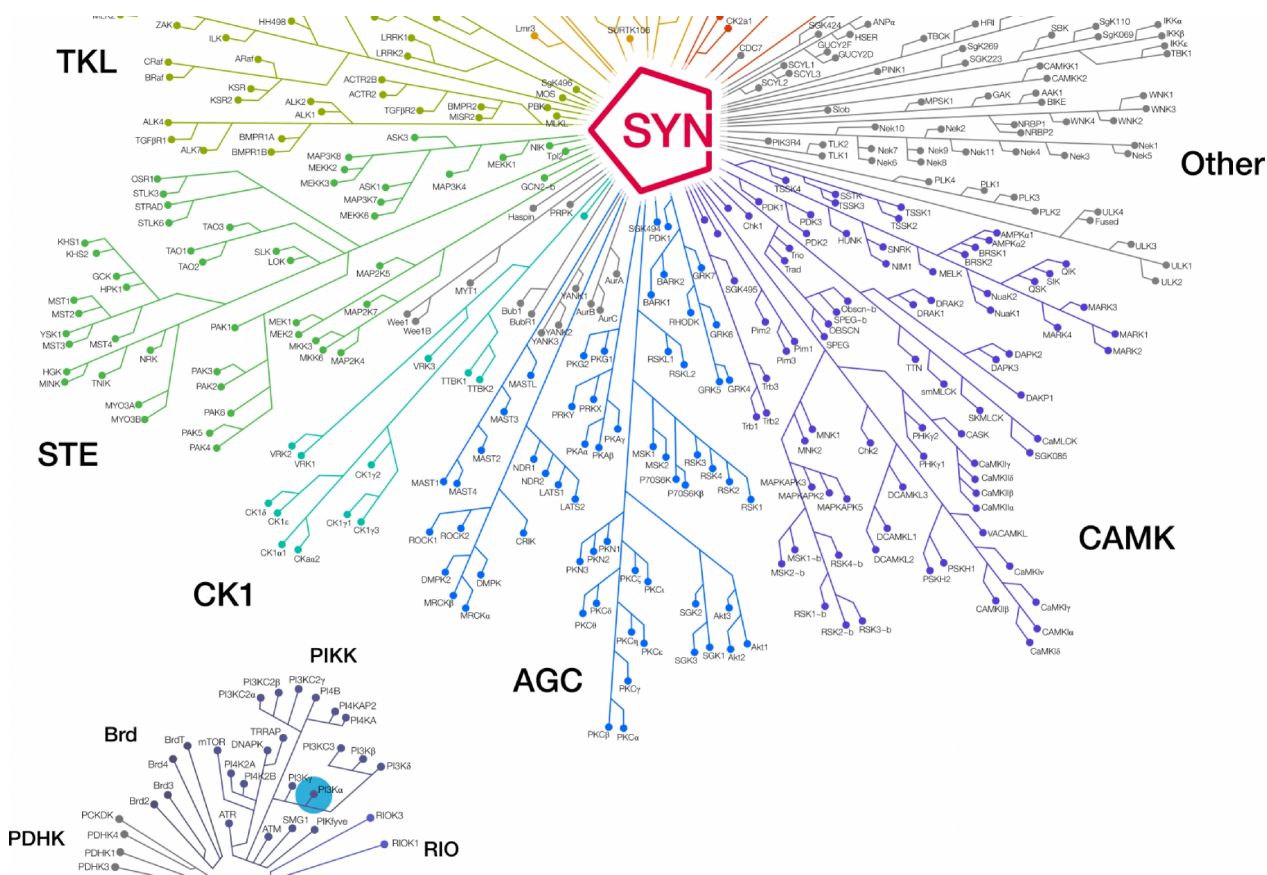
Description:

PIK-75 is a PI3K inhibitor displaying selectivity for the p110alpha isoform (IC₅₀ of 6nM). PIK-75 blocks the phosphorylation of PKB induced by insulin.

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 3mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4522	4.5228	9.0456	22.6140

References

1. Frédérick R, Denny WA. Phosphoinositide-3-kinases (PI3Ks): combined comparative modeling and 3D-QSAR to rationalize the inhibition of p110alpha. J Chem Inf Model. 2008 Mar;48(3):629-38. doi: 10.1021/ci700348m. Epub 2008 Feb 15.

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)