CD BioGlyco
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Product Information

PI3K inhibitor PIK-93, Purity ≥98%

Cat. No.: X24-05-ZQ146

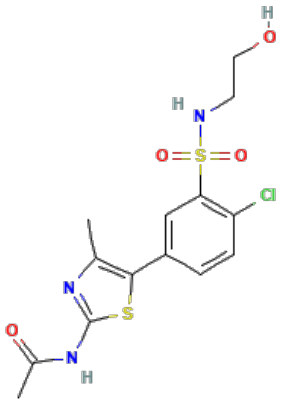
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 593960-11-3

Compound CID: 6852167

Synonym: 593960-11-3; PIK93; PI3K inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	PIK-93, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets p110α, PI4KIIIβ, ATM, ATR, C2α, C2β, DNA-PK, hsVps34, mTORC1, and p110β.
Molecular Weight	389.9
Molecular Formula	$C_{14}H_{16}ClN_3O_4S_2$
Targets	p110α: 39 nM; PI4KIIIβ: 19 nM; ATM: 490 nM; ATR: 17 μM; C2α: 16 μM; C2β: 140 μM; DNA-PK: 64 nM; hsVps34: 320 nM; mTORC1: 1.38 μM; p110β: 590 nM
IUPAC Name	*N*-[5-[4-chloro-3-(2-hydroxyethylsulfamoyl)phenyl]-4-methyl-1,3-thiazol-2-yl]acetamide
InChI	InChI=1S/C14H16ClN3O4S2/c1-8-13(23-14(17-8)18-9(2)20)10-3-4-11(15)12(7-10)24(21,22)16-5-6-19/h3-4,7,16,19H,5-6H2,1-2H3,(H,17,18,20)
InChI Key	JFVNFXCESCXMBC-UHFFFAOYSA-N
Canonical SMILES	CC1=C(SC(=N1)NC(=O)C)C2=CC(=C(C=C2)Cl)S(=O)(=O)NCCO
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 69 mg/mL (176.98 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	PIK-93 targets PI4K and PI3K to explore signaling mechanisms.
Storage	Store at -20ºC.

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