CD BioGlyco

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Product Information

PI4KIIIbeta-IN-9, Purity ≥98%

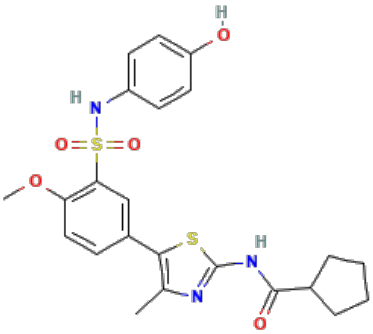
Cat. No.: X24-05-ZQ140

Size: 1 mg; 5 mg; 10 mg

CAS Number: 1429624-84-9

Compound CID: 71533728

Synonym: 1429624-84-9; PI4KIIIbeta-IN-9; CHEMBL3785311; *N*-[5-[3-[(4-hydroxyphenyl)sulfamoyl]-4-methoxyphenyl]-4-methyl-1,3-thiazol-2-yl]cyclopentanecarboxamide; SCHEMBL14851744; PI3K inhibitor



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

Product Information

Description	PI4KIIIbeta-IN-9 is a potent compound that inhibits PI3 kinase activity. It targets PI3Kα, PI3Kδ, PI3Kγ, PI3KC2γ, PI4KIIIα, and PI4KIIIβ.
Molecular Weight	487.59
Molecular Formula	$C_{23}H_{25}N_3O_5S_2$
Targets	PI3Kα: 2 μM; PI3Kδ: 152 μM; PI3Kγ: 1046 μM; PI3KC2γ: 1 μM; PI4KIIIα: 2.6 μM; PI4KIIIβ: 7 μM
IUPAC Name	*N*-[5-[3-[(4-hydroxyphenyl)sulfamoyl]-4-methoxyphenyl]-4-methyl-1,3-thiazol-2-yl]cyclopentanecarboxamide
InChI	InChI=1S/C23H25N3O5S2/c1-14-21(32-23(24-14)25-22(28)15-5-3-4-6-15)16-7-12-19(31-2)20(13-16)33(29,30)26-17-8-10-18(27)11-9-17/h7-13,15,26-27H,3-6H2,1-2H3,(H,24,25,28)
InChI Key	KAXNDTMKFONXJM-UHFFFAOYSA-N
Canonical SMILES	CC1=C(SC(=N1)NC(=O)C2CCCC2)C3=CC(=C(C=C3)OC)S(=O)(=O)NC4=CC=C(C=C4)O
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	PI4KIIIbeta-IN-9 is employed for researching PI4KIIIβ's role in cellular signaling.
Storage	Store at -20ºC.