CD BioGlyco
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Product Information

PI3K inhibitor CHMFL-PI3KD-317, Purity ≥98%

Cat. No.: X24-05-ZQ086

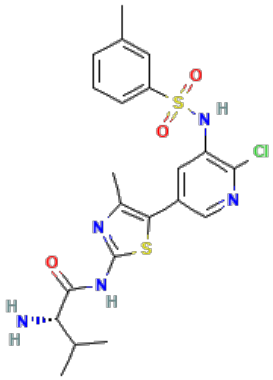
Size: 1 mg; 5 mg; 10 mg

CAS Number: 2244992-76-3

Compound CID: 137333450

Synonym: 2244992-76-3; CHMFL-PI3KD-317; CHEMBL4174988; EX-A7276; BDBM50449964; PI3K inhibitor

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



Product Information

Description	CHMFL-PI3KD-317 is a potent compound that inhibits PI3 kinase activity. It targets PI3Kα, PI3Kβ, PI3Kδ, PI3Kγ, PI4KIIIA, PI4KIIIB, PIK3C2B, and Vps34.
Molecular Weight	494.03
Molecular Formula	$C_{21}H_{24}ClN_5O_3S_2$
Targets	PI3Kα: 62.6 nM; PI3Kβ: 284 nM; PI3Kδ: 6 nM; PI3Kγ: 202.7 nM; PI4KIIIA: 574.1 nM; PI4KIIIB: 200.2 nM; PIK3C2B: 882.3 nM; Vps34: 1801.7 nM
IUPAC Name	(2*S*)-2-amino-*N*-[5-[6-chloro-5-[(3-methylphenyl)sulfonylamino]pyridin-3-yl]-4-methyl-1,3-thiazol-2-yl]-3-methylbutanamide
InChI	InChI=1S/C21H24ClN5O3S2/c1-11(2)17(23)20(28)26-21-25-13(4)18(31-21)14-9-16(19(22)24-10-14)27-32(29,30)15-7-5-6-12(3)8-15/h5-11,17,27H,23H2,1-4H3,(H,25,26,28)/t17-/m0/s1
InChI Key	PIBKKQFQADCDAW-KRWDZBQOSA-N
Canonical SMILES	CC1=CC(=CC=C1)S(=O)(=O)NC2=C(N=CC(=C2)C3=C(N=C(S3)NC(=O)C(C(C)C)N)C)Cl
Isomeric SMILES	CC1=CC(=CC=C1)S(=O)(=O)NC2=C(N=CC(=C2)C3=C(N=C(S3)NC(=O)[C@H](C(C)C)N)C)Cl
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	CHMFL-PI3KD-317 is used for studying selective PI3K delta inhibition, particularly in understanding its therapeutic potential in hematological malignancies.

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Storage	Store at -20ºC.