

Product Information

PI3K inhibitor Leniolisib, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ110

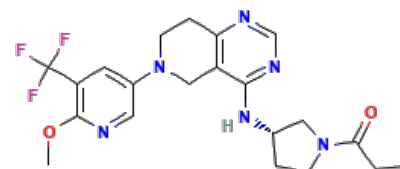
Size: 2 mg; 5 mg; 25 mg

CAS Number: 1354690-24-6

Compound CID: 57495353

Synonym: 1354690-24-6; CDZ-173; CDZ 173; CDZ173; PI3K inhibitor

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



Product Information

Description	Leniolisib, soluble in DMSO and ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets DNA-PK, PI3K α , PI3K β , PI3K δ , and PI3K γ .
Molecular Weight	450.46
Molecular Formula	C ₂₁ H ₂₅ F ₃ N ₆ O ₂
Targets	DNA-PK: 880 nM; PI3K α : 280 nM; PI3K β : 480 nM; PI3K δ : 11 nM; PI3K γ : 2.57 nM
IUPAC Name	1-[(3S)-3-[[6-[6-methoxy-5-(trifluoromethyl)pyridin-3-yl]-7,8-dihydro-5H-pyrido[4,3-d]pyrimidin-4-yl]amino]pyrrolidin-1-yl]propan-1-one
InChI	InChI=1S/C21H25F3N6O2/c1-3-18(31)30-6-4-13(10-30)28-19-15-11-29(7-5-17(15)26-12-27-19)14-8-16(21(22,23)24)20(32-2)25-9-14/h8-9,12-13H,3-7,10-11H2,1-2H3,(H,26,27,28)/t13-m/s1
InChI Key	MWKYMZXCGYXLPL-ZDUSSCGKSA-N
Canonical SMILES	CCC(=O)N1CCC(C1)NC2=NC=NC3=C2CN(CC3)C4=CC(=C(N=C4)OC)C(F)(F)F
Isomeric SMILES	CCC(=O)N1CC[C@@H](C1)NC2=NC=NC3=C2CN(CC3)C4=CC(=C(N=C4)OC)C(F)(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 81 mg/mL (179.81 mM); Water: Insoluble; Ethanol: 12 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Leniolisib aids in studying the selective PI3K δ inhibition relevant to immune disorders.



Storage

Store at -20°C.
