CD BioGlyco
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Product Information

PI3K inhibitor PP121, Purity ≥98%

Cat. No.: X24-05-ZQ149

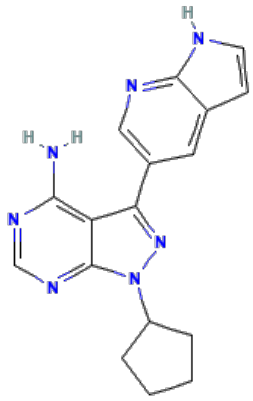
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1092788-83-4

Compound CID: 24905142

Synonym: 1092788-83-4; PP-121; PI3K inhibitor

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



Product Information

Description	PP121, soluble in DMSO and ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets Hck, VEGFR, Abl, DNA-PK, EGFR, EphB4, mTOR, p110α, p110β, p110δ, and p110γ.
Molecular Weight	319.36
Molecular Formula	$C_{17}H_{17}N_7$
Targets	Hck: 8 nM; VEGFR: 12 nM; Abl: 18 nM; DNA-PK: 60 nM; EGFR: 260 nM; EphB4: 190 nM; mTOR: 13 nM; p110α: 52 nM; p110β: 1.4 μM; p110δ: 150 μM; p110γ: 1.1 μM
IUPAC Name	1-Cyclopentyl-3-(1*H*-pyrrolo[2,3-b]pyridin-5-yl)pyrazolo[3,4-d]pyrimidin-4-amine
InChI	InChI=1S/C17H17N7/c18-15-13-14(11-7-10-5-6-19-16(10)20-8-11)23-24(12-3-1-2-4-12)17(13)22-9-21-15/h5-9,12H,1-4H2,(H,19,20)(H2,18,21,22)
InChI Key	NVRXTLZYXZNATH-UHFFFAOYSA-N
Canonical SMILES	C1CCC(C1)N2C3=NC=NC(=C3C(=N2)C4=CN=C5C(=C4)C=CN5)N
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 63 mg/mL (197.27 mM); Water: Insoluble; Ethanol: 2 mg/mL (6.26 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	PP121 can be used to study the inhibition of multiple PI3K isoforms and its downstream effects on cancer cell growth and survival.

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Storage	Store at -20ºC.