CD BioGlyco
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Product Information

PI3K inhibitor KDU691, Purity ≥98%

Cat. No.: X24-05-ZQ108

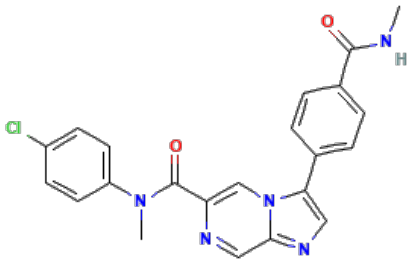
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1513879-19-0

Compound CID: 90157166

Synonym: 1513879-19-0; KDU 691; KDU-691; PI3K inhibitor

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



Product Information

Description	KDU691, soluble in DMSO and ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets Plasmodium.
Molecular Weight	419.86
Molecular Formula	$C_{22}H_{18}ClN_5O_2$
Targets	Plasmodium
IUPAC Name	*N*-(4-chlorophenyl)-*N*-methyl-3-[4-(methylcarbamoyl)phenyl]imidazo[1,2-a]pyrazine-6-carboxamide
InChI	InChI=1S/C22H18ClN5O2/c1-24-21(29)15-5-3-14(4-6-15)19-11-26-20-12-25-18(13-28(19)20)22(30)27(2)17-9-7-16(23)8-10-17/h3-13H,1-2H3,(H,24,29)
InChI Key	TYMFFISSODJRDV-UHFFFAOYSA-N
Canonical SMILES	CNC(=O)C1=CC=C(C=C1)C2=CN=C3N2C=C(N=C3)C(=O)N(C)C4=CC=C(C=C4)Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 76 mg/mL (181.01 mM); Water: Insoluble; Ethanol: 9 mg/mL (21.43 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	KDU691 can be employed to study the selective inhibition of PI3Kβ and its antitumor activities.
Storage	Store at -20ºC.