

Product Information

PI3K inhibitor CAL-130, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ082

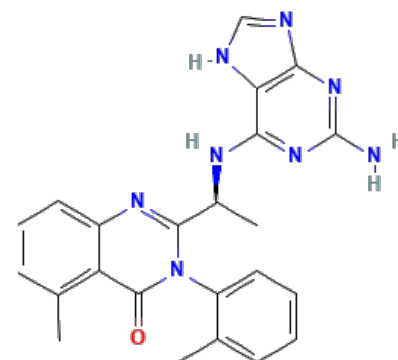
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1431697-74-3

Compound CID: 71576676

Synonym: 1431697-74-3; CAL130; CAL 130; PI3K inhibitor

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



Product Information

Description	CAL-130 is a potent compound that inhibits PI3 kinase activity. It targets p110 α , p110 β , p110 δ , and p110 γ .
Molecular Weight	426.47
Molecular Formula	C ₂₃ H ₂₂ N ₈ O
Targets	p110 α : 115 nM; p110 β : 56 nM; p110 δ : 1.3 nM; p110 γ : 6.1 nM
IUPAC Name	2-[(1S)-1-[(2-amino-7H-purin-6-yl)amino]ethyl]-5-methyl-3-(2-methylphenyl)quinazolin-4-one
InChI	InChI=1S/C23H22N8O/c1-12-7-4-5-10-16(12)31-21(28-15-9-6-8-13(2)17(15)22(31)32)14(3)27-20-18-19(26-11-25-18)29-23(24)30-20/h4-11,14H,1-3H3,(H4,24,25,26,27,29,30)/t14-m/s1
InChI Key	PUYVJBBSBPUKBT-AWEZLNQCLSA-N
Canonical SMILES	CC1=C2C(=CC=C1)N=C(N(C2=O)C3=CC=CC=C3C)C(C)NC4=NC(=NC5=C4NC=N5)N
Isomeric SMILES	CC1=C2C(=CC=C1)N=C(N(C2=O)C3=CC=CC=C3C)[C@H](C)NC4=NC(=NC5=C4NC=N5)N
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	CAL-130 has a role in studying its chemical properties and effects as a PI3K inhibitor with cancer and autoimmune disease implications.
Storage	Store at -20°C.