

Product Information

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

Cat. No.: X24-05-ZQ163

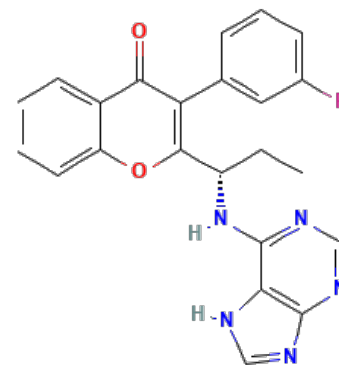
Size: 2 mg; 5 mg; 25 mg

CAS Number: 1639417-53-0

Compound CID: 86291103

Synonym: 1639417-53-0; RP-6530; RP 6530; PI3K inhibitor

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



Product Information

Description	Tenalisib, soluble in DMSO and ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets PI3K δ and PI3K γ .
Molecular Weight	415.43
Molecular Formula	C ₂₃ H ₁₈ FN ₅ O ₂
Targets	PI3K δ : 25 nM; PI3K γ : 33 nM
IUPAC Name	3-(3-Fluorophenyl)-2-[(1S)-1-(7H-purin-6-ylamino)propyl]chromen-4-one
InChI	InChI=1S/C23H18FN5O2/c1-2-16(29-23-19-22(26-11-25-19)27-12-28-23)21-18(13-6-5-7-14(24)10-13)20(30)15-8-3-4-9-17(15)31-21/h3-12,16H,2H2,1H3,(H2,25,26,27,28,29)/t16-/m0/s1
InChI Key	HDXDQPRPFRKGKZ-INIZCTEOSA-N
Canonical SMILES	CCC(C1=C(C(=O)C2=CC=CC=C2O1)C3=CC(=CC=C3)F)NC4=NC=NC5=C4NC=N5
Isomeric SMILES	CC[C@@H](C1=C(C(=O)C2=CC=CC=C2O1)C3=CC(=CC=C3)F)NC4=NC=NC5=C4NC=N5
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 74 mg/mL (178.13 mM); Water: Insoluble; Ethanol: 74 mg/mL (178.13 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	Tenalisib is used to study the selective inhibition of PI3K δ and its therapeutic potential in hematological malignancies and autoimmune diseases.
Storage	Store at -20°C.



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