

Product Information

PI3K inhibitor CAY10505, Purity ≥98%

Cat. No.: X24-05-ZQ085

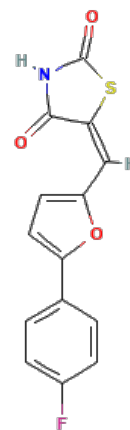
Size: 10 mg; 25 mg; 50 mg; 200 mg

CAS Number: 1218777-13-9

Compound CID: 1204893

Synonym: 1218777-13-9; CAY-10505; PI3K inhibitor

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



Product Information

Description	CAY10505, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets PI3Kγ.
Molecular Weight	289.28
Molecular Formula	C ₁₄ H ₈ FNO ₃ S
Targets	PI3Kγ
IUPAC Name	(5E)-5-[[5-(4-fluorophenyl)furan-2-yl]methylidene]-1,3-thiazolidine-2,4-dione
InChI	InChI=1S/C14H8FNO3S/c15-9-3-1-8(2-4-9)11-6-5-10(19-11)7-12-13(17)16-14(18)20-12/h1-7H,(H,16,17,18)/b12-7+
InChI Key	UFBTYTGRUBJUUL-KPKJPENVSA-N
Canonical SMILES	C1=CC(=CC=C1C2=CC=C(O2)C=C3C(=O)NC(=O)S3)F
Isomeric SMILES	C1=CC(=CC=C1C2=CC=C(O2)/C=C/3\C(=O)NC(=O)S3)F
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 53 mg/mL (183.21 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	CAY10505 is employed to investigate its role as an inhibitor in cell signaling and cancer research.
Storage	Store at -20°C.