

Product Information

PI3K inhibitor SF2523, Purity \geq 98%

Cat. No.: X24-05-ZQ160

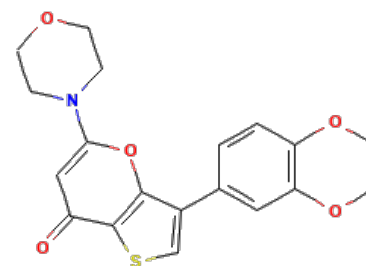
Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 1174428-47-7

Compound CID: 44180156

Synonym: 1174428-47-7; SF 2523; SF-2523; PI3K inhibitor

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



Product Information

Description	SF2523, soluble in DMSO and ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets BRD4 (BD1), DNA-PK, mTOR, PI3K α , and PI3K γ .
Molecular Weight	371.41
Molecular Formula	C ₁₉ H ₁₇ NO ₅ S
Targets	BRD4 (BD1): 241 nM; DNA-PK: 9 nM; mTOR: 280 nM; PI3K α : 34 nM; PI3K γ : 158 nM
IUPAC Name	3-(2,3-Dihydro-1,4-benzodioxin-6-yl)-5-morpholin-4-ylthieno[3,2-b]pyran-7-one
InChI	InChI=1S/C19H17NO5S/c21-14-10-17(20-3-5-22-6-4-20)25-18-13(11-26-19(14)18)12-1-2-15-16(9-12)24-8-7-23-15/h1-2,9-11H,3-8H2
InChI Key	BYTKNUOMWLJVNQ-UHFFFAOYSA-N
Canonical SMILES	C1COCCN1C2=CC(=O)C3=C(O2)C(=CS3)C4=CC5=C(C=C4)OCCO5
Form	Lyophilized powder
Purity	\geq 98%
Solubility	DMSO: 29 mg/mL (78.08 mM); Water: Insoluble; Ethanol: 7 mg/mL (18.84 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	SF2523 can be employed to study the inhibition of PI3K and the downstream effects on cancer cell survival and proliferation.
Storage	Store at -20°C.