

Product Information

PI3K inhibitor NU-7441, Purity \geq 98%

Cat. No.: X24-05-ZQ118

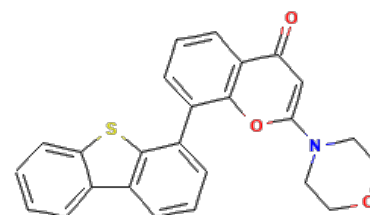
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 503468-95-9

Compound CID: 11327430

Synonym: 503468-95-9; KU-57788; NU7441; KU57788; PI3K inhibitor

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



Product Information

Description	NU-7441, soluble in warmed DMSO and insoluble in water and ethanol, is a potent compound that inhibits PI3 kinase activity. It targets CRISPR/Cas9, DNA-PK, mTOR, and PI3K.
Molecular Weight	413.5
Molecular Formula	C ₂₅ H ₁₉ NO ₃ S
Targets	CRISPR/Cas9; DNA-PK: 14 nM; mTOR: 1.7 nM; PI3K: 5.0 nM
IUPAC Name	8-Dibenzothiophen-4-yl-2-morpholin-4-ylchromen-4-one
InChI	InChI=1S/C25H19NO3S/c27-21-15-23(26-11-13-28-14-12-26)29-24-17(6-3-9-20(21)24)19-8-4-7-18-16-5-1-2-10-22(16)30-25(18)19/h1-10,15H,11-14H2
InChI Key	JAMULYFATHSZJM-UHFFFAOYSA-N
Canonical SMILES	C1COCCN1C2=CC(=O)C3=C(O2)C(=CC=C3)C4=CC=CC5=C4SC6=CC=CC=C56
Form	Lyophilized powder
Purity	\geq 98%
Solubility	Warmed DMSO: 4 mg/mL (9.67 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	NU-7441 is utilized as a DNA-PK inhibitor to research DNA repair mechanisms and cancer therapeutics.
Storage	Store at -20°C.