



Product Information

CDK inhibitor MLN 0905, Purity ≥98%

Cat. No.: X24-05-ZQ701

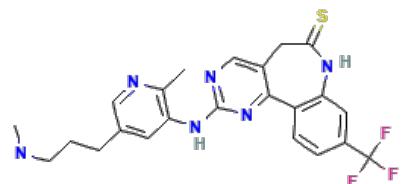
Size: 5 mg; 10 mg; 25 mg; 100 mg

CAS Number: 1228960-69-7

Compound CID: 46235922

Synonym: 1228960-69-7; MLN-0905; MLN0905; CDK inhibitor

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



Product Information

Description	MLN 0905, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets PLK1.
Molecular Weight	486.56
Molecular Formula	C ₂₄ H ₂₅ F ₃ N ₆ S
Targets	PLK1: 2 nM
IUPAC Name	2-[[5-[3-(Dimethylamino)propyl]-2-methylpyridin-3-yl]amino]-9-(trifluoromethyl)-5,7-dihydropyrimido[5,4-d][1]benzazepine-6-thione
InChI	InChI=1S/C24H25F3N6S/c1-14-19(9-15(12-28-14)5-4-8-33(2)3)31-23-29-13-16-10-21(34)30-20-11-17(24(25,26)27)6-7-18(20)22(16)32-23/h6-7,9,11-13H,4-5,8,10H2,1-3H3,(H,30,34)(H,29,31,32)
InChI Key	CODBZFJPKDNDT-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C=C(C=N1)CCCN(C)C)NC2=NC=C3CC(=S)NC4=C(C3=N2)C=CC(=C4)C(F)(F)F
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 93 mg/mL (191.13 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	MLN 0905 is utilized to study its inhibitory effects on Aurora A kinase and its implications for cancer treatment.
Storage	Store at -20°C.



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