



Product Information

CDK inhibitor CDKI-73, Purity ≥98%

Cat. No.: X24-05-ZQ821

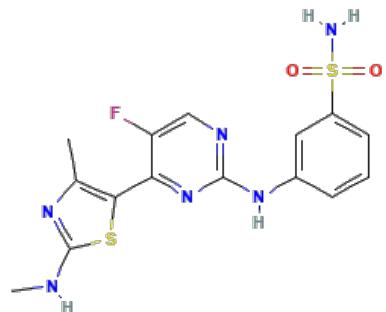
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1421693-22-2

Compound CID: 71561915

Synonym: 1421693-22-2; CDKI73; CDK1 73; CDK inhibitor

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



Product Information

Description	CDKI-73, soluble in DMSO and ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1, CDK1, CDK2, and CDK2.
Molecular Weight	394.45
Molecular Formula	C ₁₅ H ₁₅ FN ₆ O ₂ S ₂
Targets	CDK1: 8.17 nM; CDK1: 4 nM (Ki); CDK2: 3.27 nM; CDK2: 3 nM (Ki)
IUPAC Name	3-[[5-Fluoro-4-[4-methyl-2-(methylamino)-1,3-thiazol-5-yl]pyrimidin-2-yl]amino]benzenesulfonamide
InChI	InChI=1S/C15H15FN6O2S2/c1-8-13(25-15(18-2)20-8)12-11(16)7-19-14(22-12)21-9-4-3-5-10(6-9)26(17,23)24/h3-7H,1-2H3,(H,18,20)(H2,17,23,24)(H,19,21,22)
InChI Key	GAIOPWBQKZMUNO-UHFFFAOYSA-N
Canonical SMILES	CC1=C(SC(=N1)NC)C2=NC(=NC=C2F)NC3=CC(=CC=C3)S(=O)(=O)N
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 77 mg/mL (195.2 mM); Water: Insoluble; Ethanol: 1 mg/mL (2.53 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	CDKI-73 is employed to examine its effects as a selective CDK9 inhibitor and its potential as an anti-cancer agent.
Storage	Store at -20°C.