



## Product Information

### CDK inhibitor CDKI-73, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ821

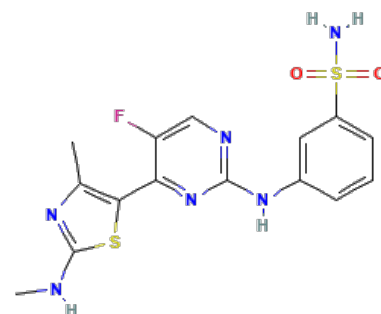
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 1421693-22-2

**Compound CID:** 71561915

**Synonym:** 1421693-22-2; CDKI73; CDKI 73; CDK inhibitor

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



#### Product Information

<b>Description</b>	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.
<b>Molecular Weight</b>	394.45
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>15</sub> FN <sub>6</sub> O <sub>2</sub> S <sub>2</sub>
<b>Targets</b>	CDK1: 8.17 nM; CDK1: 4 nM (Ki); CDK2: 3.27 nM; CDK2: 3 nM (Ki)
<b>IUPAC Name</b>	3-[[5-Fluoro-4-[4-methyl-2-(methylamino)-1,3-thiazol-5-yl]pyrimidin-2-yl]amino]benzenesulfonamide
<b>InChI</b>	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)
<b>InChI Key</b>	GAIOPWBQKZMUNO-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC1=C(SC(=N1)NC)C2=NC(=NC=C2F)NC3=CC(=CC=C3)S(=O)(=O)N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	DMSO: 77 mg/mL (195.2 mM); Water: Insoluble; Ethanol: 1 mg/mL (2.53 mM)
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	CDKI-73 is employed to examine its effects as a selective CDK9 inhibitor and its potential as an anti-cancer agent.
<b>Storage</b>	Store at -20°C.