



## Product Information

### CDK inhibitor MSC2530818, Purity ≥98%

**Cat. No.:** X24-05-ZQ745

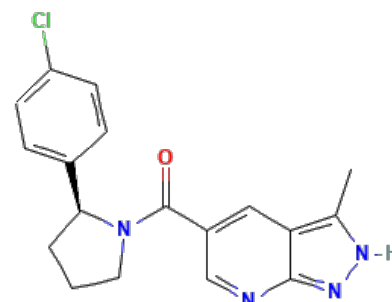
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 1883423-59-3

**Compound CID:** 118879529

**Synonym:** 1883423-59-3; MSC-2530818; MSC 2530818; CDK inhibitor

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



#### Product Information

<b>Description</b>	MSC2530818, soluble in DMSO and ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK8.
<b>Molecular Weight</b>	340.81
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>17</sub> ClN <sub>4</sub> O
<b>Targets</b>	CDK8: 2.6 nM
<b>IUPAC Name</b>	[(2S)-2-(4-chlorophenyl)pyrrolidin-1-yl]-(3-methyl-2H-pyrazolo[3,4-b]pyridin-5-yl)methanone
<b>InChI</b>	InChI=1S/C18H17ClN4O/c1-11-15-9-13(10-20-17(15)22-21-11)18(24)23-8-2-3-16(23)12-4-6-14(19)7-5-12/h4-7,9-10,16H,2-3,8H2,1H3,(H,20,21,22)/t16-m/s1
<b>InChI Key</b>	ODRITQGYWHQGM-INIZCTEOSA-N
<b>Canonical SMILES</b>	CC1=C2C=C(C=NC2=NN1)C(=O)N3CCCC3C4=CC=C(C=C4)Cl
<b>Isomeric SMILES</b>	CC1=C2C=C(C=NC2=NN1)C(=O)N3CCC[C@H]3C4=CC=C(C=C4)Cl
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 66 mg/mL (193.65 mM); Water: Insoluble; Ethanol: 66 mg/mL (193.65 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>	MSC2530818 can be used to examine the inhibition of multiple kinases including CDKs.
<b>Storage</b>	Store at -20°C.