



## Product Information

### CDK inhibitor CGP60474, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ737

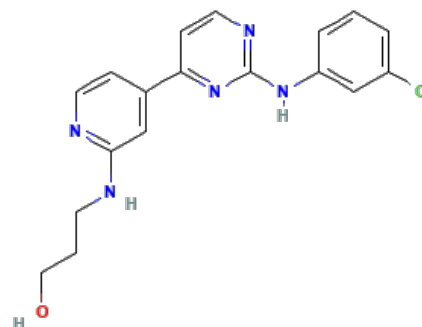
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**CAS Number:** 164658-13-3

**Compound CID:** 644215

**Synonym:** 164658-13-3; CGP-60474; CDK inhibitor

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



#### Product Information

<b>Description</b>	CGP60474 is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1-Cyclin B, cdk2/cyclin A, CDK2/cyclinE, and CDK4/cyclin D.
<b>Molecular Weight</b>	355.8
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>18</sub> ClN <sub>5</sub> O
<b>Targets</b>	CDK1-Cyclin B: 26 nM; cdk2/cyclin A: 4 nM; CDK2/cyclinE: 3 nM; CDK4/cyclin D: 216 nM
<b>IUPAC Name</b>	3-[[4-[2-(3-Chloroanilino)pyrimidin-4-yl]pyridin-2-yl]amino]propan-1-ol
<b>InChI</b>	InChI=1S/C18H18ClN5O/c19-14-3-1-4-15(12-14)23-18-22-9-6-16(24-18)13-5-8-21-17(11-13)20-7-2-10-25/h1,3-6,8-9,11-12,25H,2,7,10H2,(H,20,21)(H,22,23,24)
<b>InChI Key</b>	IYNDTACKOAXKBJ-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CC(=CC(=C1)Cl)NC2=NC=CC(=N2)C3=CC(=NC=C3)NCCCO
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<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>	CGP60474 can be utilized to explore its broad inhibition of CDKs and its potential implications in cancer treatment.
<b>Storage</b>	Store at -20°C.