



Product Information

CDK inhibitor CHIR-124, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ694

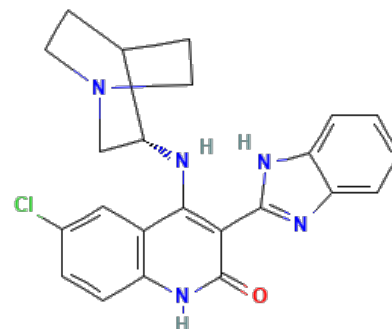
Size: 5 mg; 10 mg; 25 mg; 100 mg

CAS Number: 405168-58-3

Compound CID: 135399748

Synonym: 405168-58-3; CHIR124; CDK inhibitor

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



Product Information

Description	CHIR-124, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets FLT3, PDGFR, bFGFR, and c-Met.
Molecular Weight	419.9
Molecular Formula	C ₂₃ H ₂₂ ClN ₅ O
Targets	FLT3: 5.8 nM; PDGFR: 6.6 nM; bFGFR: 2.04 μ M; c-Met: >3 μ M
IUPAC Name	4-[[[(3S)-1-azabicyclo[2.2.2]octan-3-yl]amino]-3-(1H-benzimidazol-2-yl)-6-chloro-1H-quinolin-2-one
InChI	InChI=1S/C23H22ClN5O/c24-14-5-6-16-15(11-14)21(25-19-12-29-9-7-13(19)8-10-29)20(23(30)28-16)22-26-17-3-1-2-4-18(17)27-22/h1-6,11,13,19H,7-10,12H2,(H,26,27)(H2,25,28,30)/t19-m/s1
InChI Key	MOVBBVMDHIRCTG-LJQANCHMSA-N
Canonical SMILES	C1CN2CCC1C(C2)NC3=C(C(=O)NC4=C3C=C(C=C4)Cl)C5=NC6=CC=CC=C6N5
Isomeric SMILES	C1CN2CCC1[C@@H](C2)NC3=C(C(=O)NC4=C3C=C(C=C4)Cl)C5=NC6=CC=CC=C6N5
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 6 mg/mL (14.29 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	CHIR-124 can be used to study its effects as a selective Chk1 inhibitor in cancer research.
Storage	Store at -20°C.