

Product Information

CDK inhibitor AZD4573, Purity ≥98%

Cat. No.: X24-05-ZQ790

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

CAS Number: 2057509-72-3

Compound CID: 124155204

Synonym: 2057509-72-3; AZD 4573; AZD-4573; CDK inhibitor

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



Product Information

Description	AZD4573, soluble in DMSO and ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK9.
Molecular Weight	429.94
Molecular Formula	C ₂₂ H ₂₈ ClN ₅ O ₂
Targets	CDK9: 4 nM
IUPAC Name	(1S,3R)-3-acetamido-N-[5-chloro-4-(5,5-dimethyl-4,6-dihydropyrrolo[1,2-b]pyrazol-3-yl)pyridin-2-yl]cyclohexane-1-carboxamide
InChI	InChI=1S/C22H28ClN5O2/c1-13(29)26-15-6-4-5-14(7-15)21(30)27-20-8-16(18(23)11-24-20)17-10-25-28-12-22(2,3)9-19(17)28/h8,10-11,14-15H,4-7,9,12H2,1-3H3,(H,26,29)(H,24,27,30)/t14-,15+/m0/s1
InChI Key	AVIWDYSJSPOOAR-LSDHHAUSA-N
Canonical SMILES	CC(=O)NC1CCCC(C1)C(=O)NC2=NC=C(C(=C2)C3=C4CC(CN4N=C3)(C)C)Cl
Isomeric SMILES	CC(=O)N[C@@H]1CCCC[C@H](1)C(=O)NC2=NC=C(C(=C2)C3=C4CC(CN4N=C3)(C)C)Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 83 mg/mL (193.04 mM); Water: Insoluble; Ethanol: 83 mg/mL (193.04 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

AZD4573 can be used to explore its selective inhibition of CDK9, impacting transcription and cancer cell survival.

Storage

Store at -20°C.
