



Product Information

CDK inhibitor AT7519, Purity ≥98%

Cat. No.: X24-05-ZQ722

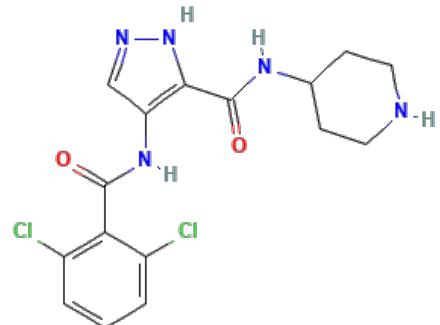
Size: 5 mg; 50 mg; 100 mg

CAS Number: 844442-38-2

Compound CID: 11338033

Synonym: 844442-38-2; AT-7519; CDK inhibitor

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



Product Information

Description	AT7519, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK2/CyclinA, CDK5/p35, AuroraA, and c-Abl.
Molecular Weight	382.2
Molecular Formula	C ₁₆ H ₁₇ Cl ₂ N ₅ O ₂
Targets	CDK2/CyclinA: 47 nM; CDK5/p35: 13 nM; AuroraA: >10 μM; c-Abl: >10 μM
IUPAC Name	4-[(2,6-Dichlorobenzoyl)amino]-N-piperidin-4-yl-1H-pyrazole-5-carboxamide
InChI	InChI=1S/C16H17Cl2N5O2/c17-10-2-1-3-11(18)13(10)15(24)22-12-8-20-23-14(12)16(25)21-9-4-6-19-7-5-9/h1-3,8-9,19H,4-7H2,(H,20,23)(H,21,25)(H,22,24)
InChI Key	OVPNQJVDAFNBDN-UHFFFAOYSA-N
Canonical SMILES	C1CNCCC1NC(=O)C2=C(C=NN2)NC(=O)C3=C(C=CC=C3Cl)Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 9 mg/mL (23.54 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	AT7519 can be used to study its role as a cyclin-dependent kinase (CDK) inhibitor and its effects on inducing apoptosis in cancer cells.
Storage	Store at -20°C.