

Product Information

CDK inhibitor AT7519 HCl, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ736

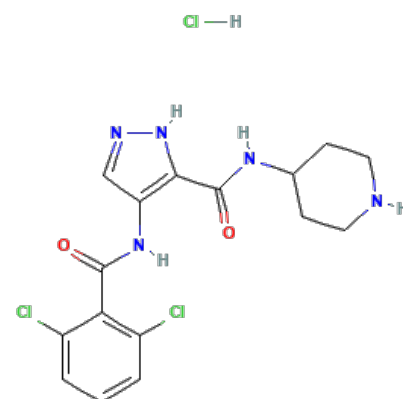
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 902135-91-5

Compound CID: 25033099

Synonym: 902135-91-5; AT 7519; AT-7519; CDK inhibitor

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



Product Information

Description	AT7519 HCl, soluble in warmed DMSO, warmed water and warmed ethanol, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK2/CyclinA, CDK5/p35, AuroraA, and c-Abl.
Molecular Weight	418.7
Molecular Formula	C ₁₆ H ₁₇ Cl ₂ N ₅ O ₂ .HCl
Targets	CDK2/CyclinA: 47 nM; CDK5/p35: 13 nM; AuroraA: >10 μ M; c-Abl: >10 μ M
IUPAC Name	4-[(2,6-Dichlorobenzoyl)amino]-N-piperidin-4-yl-1H-pyrazole-5-carboxamide;hydrochloride
InChI	InChI=1S/C16H17Cl2N5O2.ClH/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);1H
InChI Key	PAOFPNGYBWGKCO-UHFFFAOYSA-N
Canonical SMILES	C1CNCCC1NC(=O)C2=C(C=NN2)NC(=O)C3=C(C=CC=C3Cl)Cl.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 49 mg/mL (117.03 mM); Warmed water: 40 mg/mL (95.53 mM); Warmed ethanol: 26 mg/mL (62.09 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	AT7519 HCl is used to study its inhibitory activity against multiple CDKs and its effects in cancer therapy.



Storage

Store at -20°C.
