

Product Information

CDK inhibitor SCH 900776, Purity \geq 98%

Cat. No.: X24-05-ZQ733

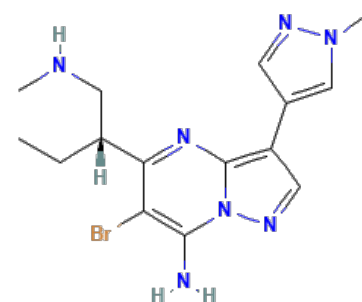
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 891494-63-6

Compound CID: 46239015

Synonym: 891494-63-6; SCH-900776; MK-8776; MK8776; MK 8776; CDK inhibitor

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



Product Information

Description	SCH 900776, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK2, Chk1, and Chk2.
Molecular Weight	376.25
Molecular Formula	C ₁₅ H ₁₈ BrN ₇
Targets	CDK2: 160 nM; Chk1: 3 nM; Chk2: 1500 nM
IUPAC Name	6-Bromo-3-(1-methylpyrazol-4-yl)-5-[(3R)-piperidin-3-yl]pyrazolo[1,5-a]pyrimidin-7-amine
InChI	InChI=1S/C15H18BrN7/c1-22-8-10(6-19-22)11-7-20-23-14(17)12(16)13(21-15(11)23)9-3-2-4-18-5-9/h6-9,18H,2-5,17H2,1H3/t9-m/s1
InChI Key	GMIZZEXBPRLVIV-SECBINFHSA-N
Canonical SMILES	CN1C=C(C=N1)C2=C3N=C(C(=C(N3N=C2)N)Br)C4CCCNC4
Isomeric SMILES	CN1C=C(C=N1)C2=C3N=C(C(=C(N3N=C2)N)Br)[C@@H]4CCCNC4
Form	Lyophilized powder
Purity	\geq 98%
Solubility	DMSO: 3 mg/mL (7.97 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	SCH 900776 is used to investigate its role as a CHK1 inhibitor and its potential to enhance the efficacy of chemotherapeutic agents.
Storage	Store at -20°C.



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