

Product Information

CDK inhibitor SEL120-34A, Purity \geq 98%

Cat. No.: X24-05-ZQ788

Size: 1 mg; 5 mg; 10 mg; 50 mg

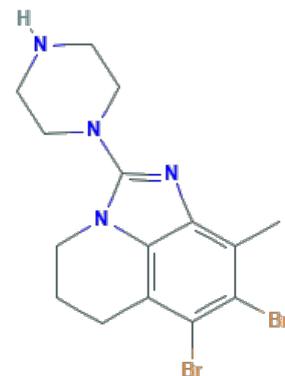
CAS Number: 1609522-33-9

Compound CID: 73776233

Synonym: 1609522-33-9; SEL 120-34A; SEL-120-34A; SEL12034A; SEL 12034A;

SEL-12034A; CDK inhibitor

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



Product Information

Description	SEL120-34A, soluble in DMSO and water and insoluble in ethanol, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK19/CycC, CDK8/CycC, and CDK9/cycT.
Molecular Weight	414.145
Molecular Formula	C ₁₅ H ₁₈ Br ₂ N ₄
Targets	CDK19/CycC: 10.4 nM; CDK8/CycC: 4.4 nM; CDK9/cycT: 1070 nM
IUPAC Name	6,7-Dibromo-5-methyl-2-piperazin-1-yl-1,3-diazatriacyclo[6.3.1.0.4,12]dodeca-2,4,6,8(12)-tetraene
InChI	InChI=1S/C15H18Br2N4/c1-9-11(16)12(17)10-3-2-6-21-14(10)13(9)19-15(21)20-7-4-18-5-8-20/h18 H,2-8H2,1H3
InChI Key	FSBMCTDYWXIBLM-UHFFFAOYSA-N
Canonical SMILES	CC1=C2C3=C(C(CCN3C(=N2)N4CCNCC4)C(=C1Br)Br
Form	Lyophilized powder
Purity	\geq 98%
Solubility	DMSO: 9 mg/mL (19.97 mM); Water: 77 mg/mL (170.88 mM); 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	SEL120-34A can be employed to study its selective inhibition of CDK8, implicated in cancer and gene transcription.
Storage	Store at -20°C.