



Product Information

CDK inhibitor ML167, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ763

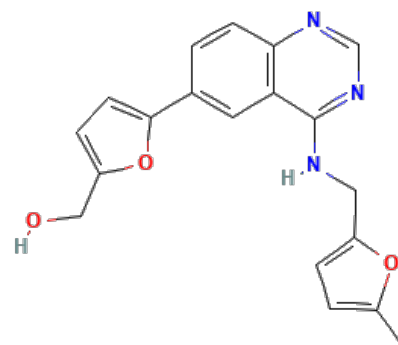
Size: 10 mg; 25 mg; 50 mg

CAS Number: 1285702-20-6

Compound CID: 44968231

Synonym: 1285702-20-6; CID 44968231; ML 167; CDK inhibitor

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



Product Information

Description	ML167, soluble in DMSO and warmed ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CLK1, CLK2, CLK4, and Dyrk1B.
Molecular Weight	335.36
Molecular Formula	C ₁₉ H ₁₇ N ₃ O ₃
Targets	CLK1: 1522 nM; CLK2: 1648 nM; CLK4: 136 nM; Dyrk1B: 4420 nM
IUPAC Name	[5-[4-[(5-Methylfuran-2-yl)methylamino]quinazolin-6-yl]furan-2-yl]methanol
InChI	InChI=1S/C19H17N3O3/c1-12-2-4-14(24-12)9-20-19-16-8-13(3-6-17(16)21-11-22-19)18-7-5-15(10-23)25-18/h2-8,11,23H,9-10H2,1H3,(H,20,21,22)
InChI Key	ROCFOIBAEVAOLQ-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=C(O1)CNC2=NC=NC3=C2C=C(C=C3)C4=CC=C(O4)CO
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 64 mg/mL (190.83 mM); Water: Insoluble; Warmed ethanol: 12 mg/mL (35.78 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	ML167 can be used to study the inhibition of CDK7 and CDK9 and their roles in cellular processes.
Storage	Store at -20°C.