



Product Information

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

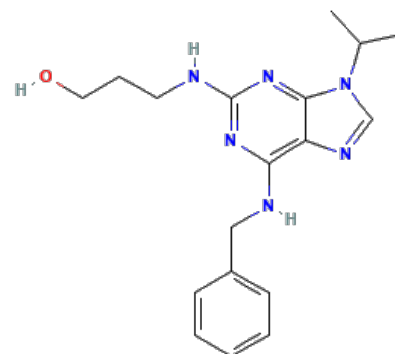
Cat. No.: X24-05-ZQ778

Size: 10 mg; 25 mg; 50 mg

CAS Number: 189232-42-6

Synonym: Bohemine; CDK inhibitor

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



Product Information

Description	Bohemine, soluble in DMSO and ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK2/cyclin A, CDK2/cyclinE, CDK9/cyclinT1, and ERK2.
Molecular Weight	340.43
Molecular Formula	C ₁₈ H ₂₄ N ₆ O
Targets	CDK2/cyclin A: 83 μ M; CDK2/cyclinE: 4.6 μ M; CDK9/cyclinT1: 2.7 μ M; ERK2: 52 μ M
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 61 mg/mL (179.19 mM); Water: Insoluble; Ethanol: 61 mg/mL (179.19 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	Bohemine can be used to investigate cell cycle regulation by inhibiting cyclin-dependent kinases (CDKs).
Storage	Store at -20°C.