



Product Information

CDK inhibitor NU2058, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ775

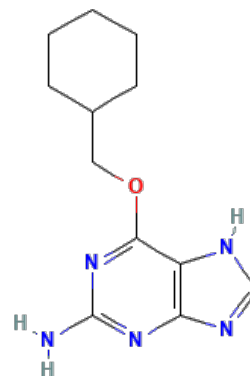
Size: 10 mg; 25 mg; 50 mg

CAS Number: 161058-83-9

Compound CID: 4564

Synonym: 161058-83-9; NU-2058; NU 2058; CDK inhibitor

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



Product Information

Description	NU2058, soluble in DMSO and ethanol and insoluble in water, is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK1, CDK2, and CDK2.
Molecular Weight	247.3
Molecular Formula	C ₁₂ H ₁₇ N ₅ O
Targets	CDK1: 26 μ M; CDK2: 17 μ M; CDK2: 12 μ M (Ki)
IUPAC Name	6-(Cyclohexylmethoxy)-7H-purin-2-amine
InChI	InChI=1S/C12H17N5O/c13-12-16-10-9(14-7-15-10)11(17-12)18-6-8-4-2-1-3-5-8/h7-8H,1-6H2,(H3,13,14,15,16,17)
InChI Key	MWGXGTJJAOZBNW-UHFFFAOYSA-N
Canonical SMILES	C1CCC(CC1)COC2=NC(=NC3=C2NC=N3)N
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 47 mg/mL (190.04 mM); Water: Insoluble; Ethanol: 47 mg/mL (190.04 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	NU2058 can be used to explore the selective inhibition of CDK2 and CDK5.
Storage	Store at -20°C.