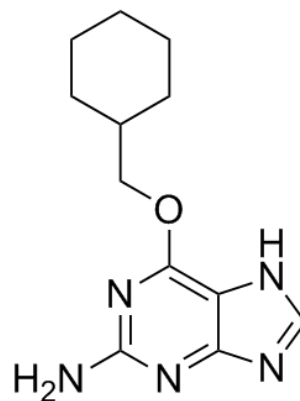


Product Name : NU-2058
Cat. No. : PC-45599
CAS No. : 161058-83-9
Molecular Formula : C₁₂H₁₇N₅O
Molecular Weight : 247.2963
Target : Cyclin-dependent Kinase (CDK)
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

NU-2058 is an ATP-competitive inhibitor of **CDK1** and **CDK2** with K_i of 5 uM and 12 uM respectively.

NU-2058 inhibits human tumor cells with a mean GI₅₀ of 13±7 uM.

NU-2058 reduces CDK2-mediated phosphorylation of pRb, E2F transcriptional activity and proliferation in both anti-estrogen-sensitive and resistant cells.

NU-2058 also inhibits DNA topoisomerase II ATPase activity (IC₅₀=300 uM).

References

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Johnson N, et al. Br J Cancer. 2010 Jan 19;102(2):342-50.

Harrison LR, et al. Biochem Pharmacol. 2009 May 15;77(10):1586-92.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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