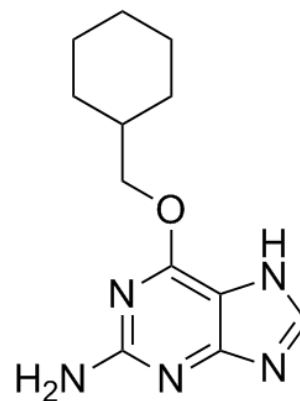


Product Name : NU-2058
Cat. No. : PC-45599
CAS No. : 161058-83-9
Molecular Formula : C₁₂H₁₇N₅O
Molecular Weight : 247.2963
Target : Cyclin-dependent Kinase (CDK)
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

An ATP-competitive inhibitor of CDK1 and CDK2 with K_i of 5 μ M and 12 μ M respectively; inhibits human tumor cells with a mean GI₅₀ of 13 ± 7 μ M; reduces CDK2-mediated phosphorylation of pRb, E2F transcriptional activity and proliferation in both anti-estrogen-sensitive and resistant cells; also inhibits DNA topoisomerase II ATPase activity (IC₅₀=300 μ M).

References

- Arris CE, et al. J Med Chem. 2000 Jul 27;43(15):2797-804.
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!

E-mail: tech@probechem.com