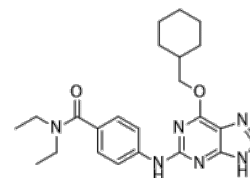


Product Name : NU6140
Cat. No. : PC-25728
CAS No. : 444723-13-1
Molecular Formula : C₂₃H₃₀N₆O₂
Molecular Weight : 422.53
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

NU6140 is a selective inhibitor of CDK2 with IC₅₀ of 0.41 μM for CDK2-cyclin A, 10- to 36-fold selective for CDK2-cyclin A over the other CDKs.

NU6140 inhibits cell proliferation and cell cycle progression and potentiates the apoptotic response to paclitaxel in HeLa cells in comparison with purvalanol A.

NU6140 significantly increases the apoptotic rate (to a greater extent than that observed in the paclitaxel-purvalanol A combination), with inhibition of survivin expression/phosphorylation in combination with paclitaxel.

References

Pennati M, et al. Mol Cancer Ther. 2005 Sep;4(9):1328-37.

Bhattacharya S, et al. Apoptosis. 2014 Mar;19(3):451-66.

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

E-mail: tech@probechem.com