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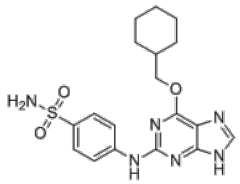
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	NU6102
Cat. No.	:	PC-70115
CAS No.	:	444722-95-6
Molecular Formula	:	$C_{18}H_{22}N_6O_3S$
Molecular Weight	:	402.5
Target	:	Cyclin-dependent Kinase (CDK)
Solubility	:	10 mM in DMSO



Biological Activity

NU6102 is a potent **CDK1** and **CDK2** inhibitor with IC50 of 9.5 nM and 5.4 nM against CDK1/cyclinB and CDK2/cyclinA3 respectively.
NU6102 exhibits synergistic growth inhibition, and enhanced cytotoxicity in HT29 cells in vitro and HT29 tumour growth inhibition in vivo combined with Pictilisib.
NU6102 induces G2 arrest, inhibition of Rb phosphorylation and cytotoxicity in SKUT-1B cells (LC50=2.6 uM, for a 24h exposure).

References

Hardcastle IR, et al. ***J Med Chem***. 2004 Jul 15;47(15):3710-22.

Beale G, et al. ***Br J Cancer***. 2016 Sep 6;115(6):682-90.

Thomas HD, et al. ***Eur J Cancer***. 2011 Sep;47(13):2052-9.

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