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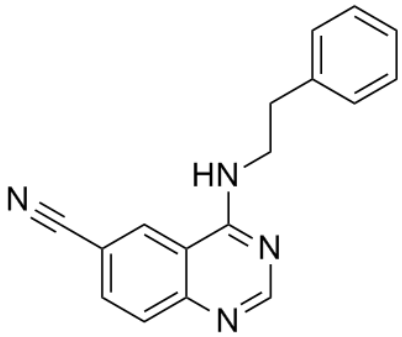
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Senexin-A
Cat. No.	:	PC-44628
CAS No.	:	1366002-50-7
Molecular Formula	:	$C_{17}H_{14}N_4$
Molecular Weight	:	274.32
Target	:	Cyclin-dependent Kinase (CDK)
Solubility	:	DMSO: ≥100 mg/mL



Biological Activity

Senexin-A is a selective inhibitor of **CDK8** (IC50=0.28 uM) and **CDK19**, inhibits CDK8 and CDK19 ATP site binding with Kd50 of 0.83 uM and 0.31 uM, respectively.
Senexin-A inhibits only p21-induced transcription but not other biological effects of p21, inhibits β-catenin-dependent transcription in HCT116 colon carcinoma cells.
Senexin-A suppresses damage-induced tumor-promoting paracrine activities of tumor cells and normal fibroblasts.
Senexin-A reverses the increase in tumor engraftment and serum mitogenic activity in mice pretreated with doxorubicin.

References

Porter DC, et al. ***Proc Natl Acad Sci U S A.*** 2012 Aug 21;109(34):13799-804.

McDermott MS, et al. ***Oncotarget.*** 2017 Feb 21;8(8):12558-12575.

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

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