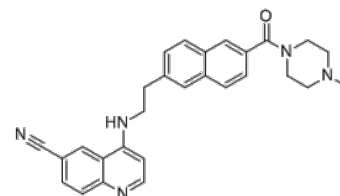


Product Name : Senexin C
Cat. No. : PC-72776
CAS No. : 2375554-02-0
Molecular Formula : C₂₈H₂₇N₅O
Molecular Weight : 449.558
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

Senexin C is a novel potent, selective and orally bioavailable **CDK8/19** inhibitor with K_d of 1.4 and 2.9 nM for CDK8/CycC and CDK19/CycC, respectively.

Senexin C inhibits CDK8/CycC with IC₅₀ of 3.6 nM, shows high selectivity against other HDAC isoforms.

Senexin C is more metabolically stable and provides a more sustained inhibition of CDK8/19-dependent cellular gene expression when compared with the prototype inhibitor Senexin B.

Senexin C inhibits MV4-11 leukemia growth in a systemic in vivo model with good tolerability.

References

Li Zhang, et al. *J Med Chem.* 2022; 65(4):3420-3433.

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

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