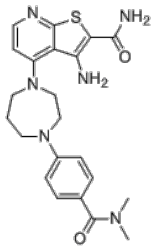
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SNX631
Cat. No.	:	PC-49204
CAS No.	:	868066-26-6
Molecular Formula	:	$C_{22}H_{26}N_6O_2S$
Molecular Weight	:	438.550
Target	:	Cyclin-dependent Kinase (CDK)
Solubility	:	10 mM in DMSO



Biological Activity

SNX631 (SNX-631) is a potent, selective inhibitor of **CDK8/19** Mediator kinase with IC50 of 10.3 nM in the NF κB-dependent cell-based assays.
SNX631 is 6 to 10 times more potent than Senexin B in all the assays except for the DiscoverX activesite-dependent competition binding assay.
SNX631 showed synergistic interactions with lapatinib and trastuzumab in a panel of HER2+ BrCa cell lines, overcoming and preventing resistance to HER2-targeting drugs.
Combination of HER2-mAb trastuzumab and SNX631 inhibited STAT1 and STAT3 phosphorylation at S727 and up-regulated tumor suppressor BTG2 in HER2+ BrCa cell lines.
SNX631 partially inhibits growth of xenograft tumors formed by lapatinib-sensitive or -resistant HER2+ breast cancer cells alone, and strongly suppressed by the combination of lapatinib, overcoming lapatinib resistance.

References

Jing Li, et al. ***Cells.*** 2019 Oct 6;8(10):1208.

Xiaokai Ding, et al. ***Proc Natl Acad Sci U S A.*** 2022 Aug 9;119(32):e2201073119.

E-mail: tech@probechem.com