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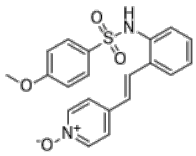
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	HMN-176
Cat. No.	:	PC-24098
CAS No.	:	173529-10-7
Molecular Formula	:	$C_{20}H_{18}N_2O_4S$
Molecular Weight	:	382.43
Target	:	Polo-like Kinase (PLK)
Solubility	:	10 mM in DMSO



Biological Activity

HMN-176 is an active metabolite of HMN-214 and inhibitor of mitosis, interferes with the subcellular spatial location of PLK1, does not inhibit PLK directly.
HMN-176 inhibits meiotic spindle assembly in surf clam oocytes and delays satisfaction of the spindle assembly checkpoint in human somatic cells by inducing the formation of short and/or multipolar spindles.
HMN-176 (2.5 μM) greatly increases the duration of mitosis in hTERT-RPE1 and CFPAC-1 cell lines. HMN-176 displays similar cytotoxicity against tumors with various characteristics from different organs.

References

DiMaio MA, et al. Mol Cancer Ther. 2009 Mar;8(3):592-601.

Tanaka H, et al. Cancer Res. 2003 Oct 15;63(20):6942-7.

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