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Data Sheet

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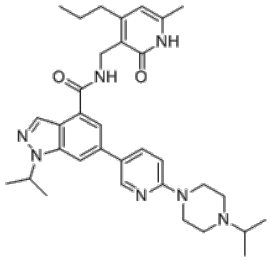
Product Name	:	UNC1999
Cat. No.	:	PC-21940
CAS No.	:	1431612-23-5
Molecular Formula	:	$C_{33}H_{43}N_7O_2$
Molecular Weight	:	569.75
Target	:	Histone Methyltransferase (HMTase)
Solubility	:	10 mM in DMSO



Biological Activity

UNC1999 is a potent, selectice SAM-competitive and orally bioavailable inhibitor of EZH2/EZH1 with IC50 of <10 nM/45 nM, respectively.
UNC1999 is highly selective for EZH2 and EZH1 over a broad range of epigenetic and non-epigenetic targets.
UNC1999 potently reduces H3K27me3 levels in cells and selectively killed diffused large B cell lymphoma cell lines harboring the EZH2(Y641N) mutant.
UNC1999 prolongs survival of a well-defined murine leukemia model bearing MLL-AF9.

References

Grinshtein N, et al. Oncotarget. 2016 Sep 13;7(37):59360-59376.

Xu B, et al. Blood. 2015 Jan 8;125(2):346-57.

Konze KD, et al. ACS Chem Biol. 2013;8(6):1324-34.

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