



Product Information

HMT inhibitor UNC-1999, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ542

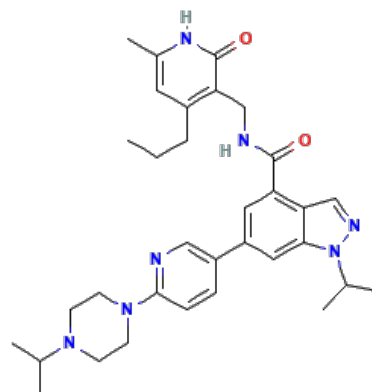
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1431612-23-5

Compound CID: 72551585

Synonym: 1431612-23-5; UNC 1999; UNC1999; Histone methyltransferase inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	UNC-1999, soluble in DMSO and ethanol and insoluble in water, inhibits the enzymes that add methyl groups to histone proteins, altering chromatin structure and gene expression. It targets EZH1 and EZH2.
Molecular Weight	569.74
Molecular Formula	C ₃₃ H ₄₃ N ₇ O ₂
Targets	EZH1: 45 nM; EZH2: 2 nM
IUPAC Name	<i>N</i> -[(6-methyl-2-oxo-4-propyl-1 <i>H</i> -pyridin-3-yl)methyl]-1-propan-2-yl-6-[6-(4-propan-2-ylpiperazin-1-yl)pyridin-3-yl]indazole-4-carboxamide
InChI	InChI=1S/C33H43N7O2/c1-7-8-24-15-23(6)37-33(42)28(24)19-35-32(41)27-16-26(17-30-29(27)20-36-40(30)22(4)5)25-9-10-31(34-18-25)39-13-11-38(12-14-39)21(2)3/h9-10,15-18,20-22H,7-8,11-14,19H2,1-6H3,(H,35,41)(H,37,42)
InChI Key	DPJNKUOXBZSAI-UHFFFAOYSA-N
Canonical SMILES	<chem>CCCC1=C(C(=O)NC(=C1)C)CNC(=O)C2=C3C=NN(C3=CC(=C2)C4=CN=C(C=C4)N5CCN(CC5)C(C)C)C(C)C</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 17 mg/mL (29.84 mM); Water: Insoluble; Ethanol: 43 mg/mL (75.47 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.



Applications

UNC-1999 can be used to inhibit EZH2/1, probing their role in trimethylating H3K27 and its relevance in cancer.

Storage

Store at -20°C.
