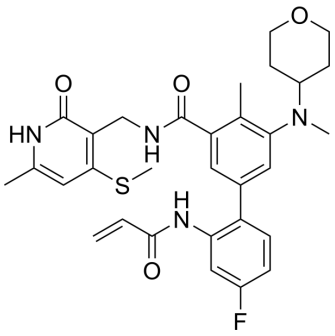
IHMT-EZH2-426

Cat. No.:	HY-156292
CAS No.:	3018914-66-1
Molecular Formula:	$C_{31}H_{35}FN_4O_4S$
Molecular Weight:	578.7
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	IHMT-EZH2-426 (compound 38) is a potent and covalent EZH2 degrader with IC_{50}s of 1.3 nM, 1.2 nM, and 1.7-3.5 nM against EZH2 wild-type, EZH2-A687V, and EZH2-Y641F/Y641N/Y641S, respectively. IHMT-EZH2-426 exhibits potent antiproliferation effects against both B-cell lymphoma and triple negative breast cancer (TNBC) cell lines by reducing the levels of H3K27me3 and EZH2[1].		
IC_{50} & Target	EZH2 WT 1.3 nM (IC_{50})	EZH2-A687V 1.2 nM (IC_{50})	Y641F/Y641N/Y641S 1.7-3.5 nM (IC_{50})

REFERENCES

[1]. Bin Zhou, et al. Discovery of dihydropyridinone derivative as a covalent EZH2 degrader. Eur J Med Chem. 2023 Oct 2:261:115825.

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