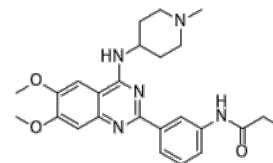


Product Name : ZZM-1220
Cat. No. : PC-23902
CAS No. : 3053365-97-9
Molecular Formula : C₂₅H₃₁N₅O₃
Molecular Weight : 449.56
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



CAS: 3053365-97-9

Biological Activity

ZZM-1220 is a potent, selective **G9a/GLP** covalent inhibitor with IC₅₀ of 458/924 nM respectively.

ZZM-1220 exhibits antiproliferative activity on MDA-MB-231 with IC₅₀ of 0.59 uM, induces apoptosis of TNBC cells.

ZZM-1220 arrests MDA-MB-231 and 4T1 cells in the G2/M phase.

ZZM-1220 (2.5-20 uM) significantly inhibits H3K9 dimethylation in a concentration-dependent manner in MDA-MB-231 cells.

ZZM-1220 continuously inhibits the proliferation of cancer cells and the methylation function of G9a/GLP after washing out.

References

Zhang Q, et al. *Eur J Med Chem.* 2023 Dec 5;261:115841.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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