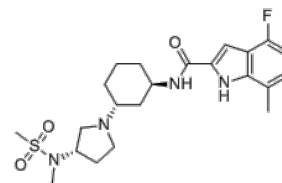


Product Name : EPZ-719
Cat. No. : PC-72317
CAS No. : 2697176-16-0
Molecular Formula : C₂₂H₃₁FN₄O₃S
Molecular Weight : 450.573
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

EPZ-719 (EPZ 719) is a potent, selective **SETD2** histone methyltransferase inhibitor with IC₅₀ of 8 nM.

EPZ-719 displayed a >8000-fold selectivity in a panel of 14 other histone methyltransferases, showing a remarkable level of selectivity over these closely related and potentially confounding targets.

EPZ-719 demonstrated the activity in a cellular context using an in-cell Western (ICW) cell biochemical assay in A549 cells by monitoring the H3K36 trimethyl mark with IC₅₀ of 23 nM.

EPZ-719 potent antiproliferative activity against multiple myeloma cell lines, KMS34 and KMS1, with LTP day 14 IC₅₀ of 25 nM and 211 nM.

EPZ-719 is an attractive tool compound for the interrogation of SETD2 biology that enables in vivo target validation studies.

References

John W Lampe, et al. *ACS Med Chem Lett*. 2021 Aug 24;12(10):1539-1545.

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

E-mail: tech@probechem.com