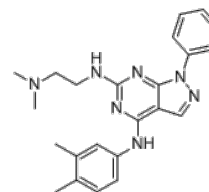


Product Name : PR5-LL-CM01
Cat. No. : PC-61791
CAS No. : 1005307-86-7
Molecular Formula : C₂₃H₂₇N₇
Molecular Weight : 401.518
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

PR5-LL-CM01 is a novel selective, small-molecule inhibitor of **PRMT5** methyltransferase with IC₅₀ of 7.5 μM. PR5-LL-CM01 displays >10-fold selectivity over PRMT3, and no inhibitory activity over PRMT1/4/6/8. PR5-LL-CM01 exhibits cell viability inhibition with IC₅₀ of 2-4 μM in PDAC cells, IC₅₀ of 10-11 μM in CRC cells, more potent than EPZ015666. PR5-LL-CM01 significantly inhibits NF-κB activation in PDAC and CRC cells, and shows dramatic anti-tumor efficacy in vivo.

References

- Prabhu L, et al. *Oncotarget*. 2017 Jun 20;8(25):39963-39977.
- Muniyandi A, et al. *Sci Rep*. 2023 Jan 31;13(1):1747.

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

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