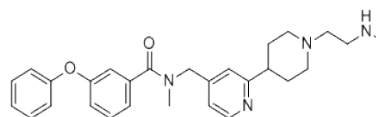


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name :TP-064
Cat.No. :URK-V604
CAS No. :2080306-20-1
Molecular Formula :C₂₈H₃₄N₄O₂
Molecular Weight :458.606
Target :Histone Methyltransferase(HMTase)
Solubility :250 mM in DMSO (114.65mg/ml)



Biological Activity

TP-064 is a potent, selective, and cell-active inhibitor of PRMT4 with IC₅₀ of <10 nM and K_d of 7.1 nM.

TP-064 shows high selectivity (>100-fold) for PRMT4 over other PRMTs.

TP-064 reduces dimethylation of BAF155 (IC₅₀=340±30 nM) and MED12 (IC₅₀=43±10 nM) in a dose-dependent manner in cell-based assays.

TP-064 inhibits the proliferation of a subset of multiple myeloma cell lines (NCI-H929, RPMI8226, Cell IC₅₀ of 379 and 886 nM, respectively) with affected cells arrested in G1 phase of the cell cycle, but has no effect on acute myeloid leukemia, colon cancer, or lung cancer cell lines.

References

1. Nakayama K, et al. Oncotarget. 2018 Apr 6;9(26):18480-18493.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, and we do not provide products and services for any personal use!

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

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