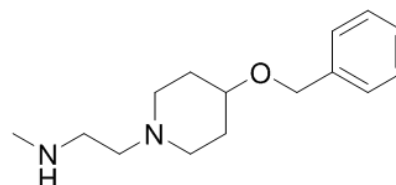


Product Name : MS-049
Cat. No. : PC-42113
CAS No. : 1502816-23-0
Molecular Formula : C₁₅H₂₄N₂O
Molecular Weight : 248.3639
Target : Histone Methyltransferase (HMTase)
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

MS-049 is a potent, selective, and cell-active dual inhibitor of **PRMT4** and **PRMT6** with IC₅₀ of 34±10 nM and 43±7 nM, respectively.

MS-049 displays >30-fold and >300-fold selectivity over PRMT8 and PRMT1/3, does not inhibit PKMTs, DNMTases, RNA methyltransferases.

MS-049 reduces the H3R2me2a mark in HEK293 cells with IC₅₀ of 0.97 μM.

References

Shen Y, et al. *J Med Chem*. 2016 Oct 13;59(19):9124-9139.

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

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