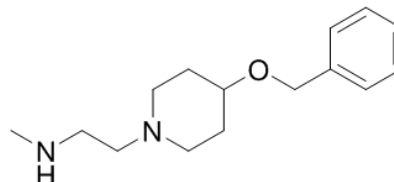


**Product Name** : MS049  
**Cat. No.** : PC-42113  
**CAS No.** : 1502816-23-0  
**Molecular Formula** : C<sub>15</sub>H<sub>24</sub>N<sub>2</sub>O  
**Molecular Weight** : 248.3639  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : DMSO: ≥ 31 mg/mL



### Biological Activity

MS049 is a potent, selective, and cell-active dual inhibitor of **PRMT4** and **PRMT6** with IC<sub>50</sub> of 34±10 nM and 43±7 nM, respectively.

MS049 displays >30-fold and >300-fold selectivity over PRMT8 and PRMT1/3, does not inhibit PKMTs, DNMTases, RNA methyltransferases.

MS049 reduces the H3R2me2a mark in HEK293 cells with IC<sub>50</sub> 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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