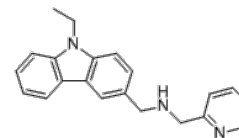


**Product Name** : CMP-5  
**Cat. No.** : PC-62981  
**CAS No.** : 880813-42-3  
**Molecular Formula** : C<sub>21</sub>H<sub>21</sub>N<sub>3</sub>  
**Molecular Weight** : 315.42  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



## Biological Activity

CMP-5 (PRMT5-IN-5) is a first-in-class, small-molecule **PRMT5**-specific inhibitor that blocks EBV-driven B-lymphocyte transformation and survival, without effect on normal B cells.

CMP-5 (PRMT5-IN-5) displays no activity against other type I (PRMT1 and PRMT4) and type II (PRMT7) enzymes.

CMP-5 (PRMT5-IN-5) for inhibition of PRMT5 leads to lost recruitment of a PRMT5/p65/HDAC3-repressive complex on the miR96 promoter, restored miR96 expression, and PRMT5 downregulation.

## References

Alinari L, et al. *Blood*. 2015 Apr 16;125(16):2530-43.

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

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