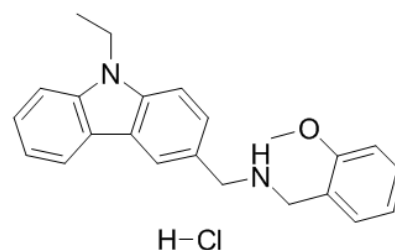


**Product Name** : HLCL-61 hydrochloride  
**Cat. No.** : PC-42037  
**CAS No.** : 1158279-20-9  
**Molecular Formula** : C<sub>23</sub>H<sub>25</sub>ClN<sub>2</sub>O  
**Molecular Weight** : 380.9104  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

HLCL-61 hydrochloride is a potent and selective protein arginine methyltransferase **PRMT5** inhibitor. HLCL-61 shows no inhibitory activity against the type I (PRMT1 and PRMT4) and type II (PRMT7) PRMT family members. HLCL-61 exhibits effective inhibition of symmetric arginine dimethylation (me<sub>2</sub>) of histones H3 and H4 in AML samples, significantly increases expression of miR-29b and consequent suppression of Sp1 and FLT3 in AML cells. HLCL-61 inhibits the proliferation of AML cell lines and primary blasts with IC<sub>50</sub> of 7.21-21.46 μM.

## References

Tarighat SS, et al. *Leukemia*. 2016 Apr;30(4):789-99.

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

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