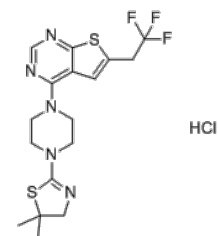


**Product Name** : MI-2-2 hydrochloride  
**Cat. No.** : PC-62484  
**CAS No.** : 2308531-06-6  
**Molecular Formula** : C<sub>17</sub>H<sub>21</sub>ClF<sub>3</sub>N<sub>5</sub>S<sub>2</sub>  
**Molecular Weight** : 451.955  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



## Biological Activity

MI-2-2 hydrochloride is a potent inhibitor of the **menin-MLL** interaction that binds to menin with low nanomolar affinity (K<sub>d</sub>=22 nM).

MI-2-2 inhibits the interaction of menin with MLL-AF9 in HEK293 cells in a dose-dependent manner with 4-fold potency improvement over MI-2.

MI-2-2 suppresses growth of MLL-AF9-transformed BMCs, causes MV4:11 cells growth inhibition of with GI50 of 3 μM.

## References

Arkin MR, et al. *Chem Biol*. 2014 Sep 18;21(9):1102-14.

Shi A, et al. *Blood*. 2012 Nov 29;120(23):4461-9.

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

E-mail: tech@probechem.com