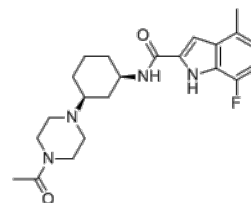


**Product Name** : EZM0414  
**Cat. No.** : PC-73322  
**CAS No.** : 2411748-50-8  
**Molecular Formula** : C<sub>22</sub>H<sub>29</sub>FN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 400.498  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



1. Alford JS, et al. **ACS Med Chem Lett.** 2022 Jun 7;13(7):1137-1143.

## Biological Activity

EZM 0414 is a potent, selective and orally bioavailable inhibitor of histone methyltransferase **SETD2** with biochemical IC<sub>50</sub> of 18 nM, >10,000-fold selectivity over other HMTases.

EZM 0414 reduced global tri-methylation of H3K36 (H3K36me<sub>3</sub>, IC<sub>50</sub>=34 nM) in t(4;14) bearing MM cell lines, with no effect on global di-methyl H3K36 (H3K36me<sub>2</sub>) levels.

EZM 0414 demonstrated broad anti-proliferative effects of EZM0414 in a panel of MM cell lines with enhanced sensitivity in cells harboring the (4;14) chromosomal translocation, as well as in a panel of DLBCL cell lines representing both GCB and ABC subtypes.

EZM 0414 suppressed tumor volume and inhibited H3K36me<sub>3</sub> level in human MM and DLBCL xenograft models.

## References

