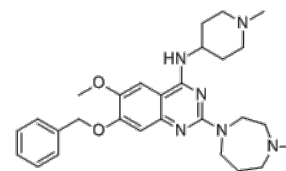


**Product Name** : TM2-115  
**Cat. No.** : PC-70359  
**CAS No.** : 1197196-47-6  
**Molecular Formula** : C<sub>29</sub>H<sub>39</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 489.664  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



## Biological Activity

TM2-115 is a BIX-01294 derivative that inhibit malaria parasite histone methyltransferases, resulting in rapid and irreversible parasite death.

TM2-115 inhibits *P. falciparum* 3D7 parasites in culture with IC<sub>50</sub> of 100 nM, >22-fold more potent than IC<sub>50</sub> toward two human cell lines and one mouse cell line.

TM2-115 significant reduces histone H3K4me3 levels in a concentration-dependent and exposure time-dependent manner in treatment of *P. falciparum* parasites.

## References

Malmquist NA, et al. Proc Natl Acad Sci U S A. 2012 Oct 9;109(41):16708-13.

Malmquist NA, et al. Antimicrob Agents Chemother. 2015 Feb;59(2):950-9.

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

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