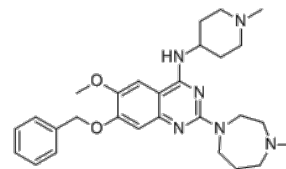


Product Name : TM2-115
Cat. No. : PC-70359
CAS No. : 1197196-47-6
Molecular Formula : C₂₉H₃₉N₅O₂
Molecular Weight : 489.664
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



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 IC₅₀ of 100 nM, >22-fold more potent than IC₅₀ 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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