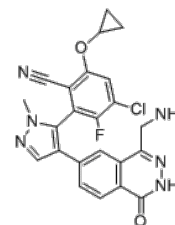


**Product Name** : MRTX1719  
**Cat. No.** : PC-72393  
**CAS No.** : 2630904-45-7  
**Molecular Formula** : C<sub>23</sub>H<sub>18</sub>ClFN<sub>6</sub>O<sub>2</sub>  
**Molecular Weight** : 464.885  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



## Biological Activity

MRTX1719 (MRTX-1719) is a potent, selective binder to the **PRMT5**-MTA complex, selectively inhibits PRMT5 activity in MTAP-deleted cells (HCT116 MTAP-deleted IC<sub>50</sub>=12 nM) compared to MTAP-wild-type cells.

MRTX1719 demonstrated dose-dependent inhibition of PRMT5-dependent symmetric dimethylarginine protein modification in MTAP-deleted tumors that correlated with antitumor activity in tumor xenograft-bearing mice.

MRTX1719 is a novel synthetically lethal drug target for the treatment of MTAP-deleted cancers.

## References

Christopher R Smith, et al. *J Med Chem.* 2022 Feb 10;65(3):1749-1766.

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

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