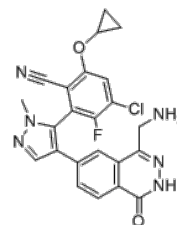


Product Name : MRTX1719
Cat. No. : PC-72393
CAS No. : 2630904-45-7
Molecular Formula : C₂₃H₁₈ClFN₆O₂
Molecular Weight : 464.885
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

Navlimetostat (MRTX1719, MRTX-1719) is a potent, selective binder to the **PRMT5**-MTA complex, selectively inhibits PRMT5 activity in MTAP-deleted cells (HCT116 MTAP-deleted IC₅₀=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!

E-mail: tech@probechem.com