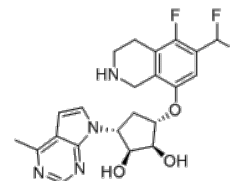


Product Name : PF-06939999
Cat. No. : PC-72513
CAS No. : 2159123-14-3
Molecular Formula : C₂₂H₂₃F₃N₄O₃
Molecular Weight : 448.446
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

PF-06939999 (PF06939999) is a potent, selective, S-adenosylmethionine (SAM) competitive **PRMT5** inhibitor with SPR K_d of 5.8 pM.

PF-06939999 displays at least one million-fold selective for PRMT5 over a panel of protein methyltransferases and 20 diverse protein kinases.

PF-06939999 demonstrates dose-dependent reduction of symmetric dimethyl arginine (SDMA) and an antiproliferative response in A2780 cells (IC₅₀=3.3 nM).

PF-06939999 showed dose-dependent loss of SDMA on several proteins, with a cellular IC₅₀ 1.1 nM in A427 cells.

PF-06939999 demonstrates tumor growth inhibition in splicing mutant NSCLC (oral 3, 10, and 30 mg/kg).

References

Kristen Jensen-Pergakes, et al. *Mol Cancer Ther.* 2022 Jan;21(1):3-15.

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

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