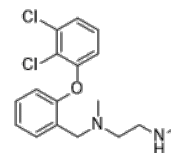


Product Name : DCPT1061
Cat. No. : PC-23080
CAS No. : 2289726-31-2
Molecular Formula : C₁₇H₂₀Cl₂N₂O
Molecular Weight : 339.26
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



CAS: 2289726-31-2

Biological Activity

DCPT1061 is a selective inhibitor of **type I PRMT** subfamily members, potently inhibits **PRMT1**, **PRMT6**, and **PRMT8**, with less inhibitory effect on PRMT3, PRMT4, and PRMT5 or other epigenetic enzymes.

DCPT1061 significantly induced a dose-dependent inhibition of cell proliferation in ccRCC cell lines including 786-O, A498, ACHN, and Caki-1 (IC₅₀=0.5-2.8 uM), induced G1 cycle arrest in ccRCC cells.

CPT1061 inhibited AKT and RB phosphorylation in Caki-1 cells.

Combinational treatment of DCPT1061 and sunitinib exhibited a striking anticancer effect in ccRCC.

References

Wang J, et al. *Theranostics*. 2021 Mar 12;11(11):5387-5403.

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

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