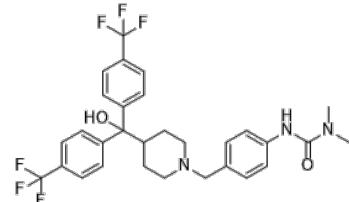

Product Name	:	DCG066
Cat. No.	:	PC-25913
CAS No.	:	494786-13-9
Molecular Formula	:	C ₃₀ H ₃₁ F ₆ N ₃ O ₂
Molecular Weight	:	579.59
Target	:	Histone Methyltransferase (HMTase)
Solubility	:	10 mM in DMSO



CAS: 494786-13-9

Biological Activity

DCG066 is a novel small molecule inhibitor of lysine methyltransferase G9a, inhibits G9a methyltransferase activity with IC₅₀ of 6.5 μM.

DCG066 inhibits cancer cell proliferation, decreases histone H3 lysine 9 (H3K9) di-methyl levels, blocks cell cycle and induces apoptosis. DCG066 (1-2 μM) decreased H3K9-dimethylation in K562 cells, but displayed no changes in H3K27 tri-methylation.

DCG066 can bind to G9a with low dissociation constant (K_d = 18 μM) as measured by SPR.

References

Kondengaden SM, et al. Eur J Med Chem. 2016 Oct 21;122:382-393.

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

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