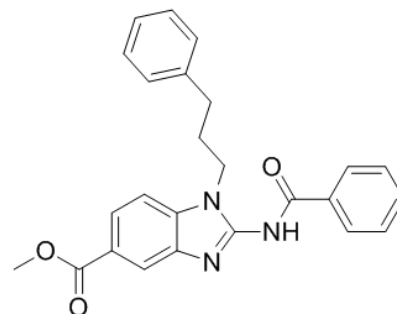


Product Name : BRD-4770
Cat. No. : PC-45050
CAS No. : 1374601-40-7
Molecular Formula : C₂₅H₂₃N₃O₃
Molecular Weight : 413.4684
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

BRD-4770 is a SAM mimetic that selectively inhibits a subset of Histone Methyltransferase (HMTs), including **G9a**, in biochemical assays and in cells.

BRD-4770 decreases H3K9 trimethylation level in PANC-1 cells with EC₅₀ of 5 μM.

BRD-4770 induces senescence, and inhibits both anchorage-dependent and -independent proliferation in PANC-1 cells.

BRD-4770 also increases LC3-II levels and the autophagosome number in PANC-1 cells combined with Gossypol.

References

Yuan Y, et al. *ACS Chem Biol.* 2012 Jul 20;7(7):1152-7.

Yuan Y, et al. *Cell Death Dis.* 2013 Jun 27;4:e690.

Zhang X, et al. *Toxicol Appl Pharmacol.* 2016 Aug 1;304:42-7.

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

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