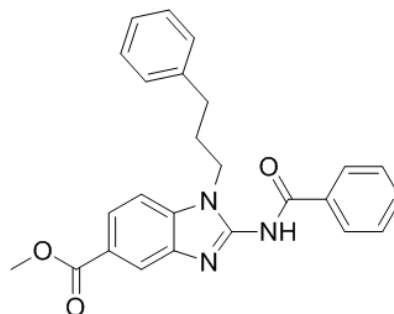


**Product Name** : BRD4770  
**Cat. No.** : PC-45050  
**CAS No.** : 1374601-40-7  
**Molecular Formula** : C<sub>25</sub>H<sub>23</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 413.4684  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



### Biological Activity

BRD4770 is a SAM mimetic that selectively inhibits a subset of Histone Methyltransferase (HMTs), including **G9a**, in biochemical assays and in cells.

BRD4770 decreases H3K9 trimethylation level in PANC-1 cells with EC<sub>50</sub> of 5 uM.

BRD4770 induces senescence, and inhibits both anchorage-dependent and -independent proliferation in PANC-1 cells.

BRD4770 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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