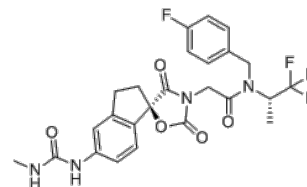


**Product Name** : A-485  
**Cat. No.** : PC-60028  
**CAS No.** : 1889279-16-6  
**Molecular Formula** : C<sub>25</sub>H<sub>24</sub>F<sub>4</sub>N<sub>4</sub>O<sub>5</sub>  
**Molecular Weight** : 536.484  
**Target** : Histone Acetyltransferase (HAT)  
**Solubility** : 10 mM in DMSO



### Biological Activity

A-485 (A485) is a potent, selective and, cell and in vivo active **p300/CBP catalytic inhibitor** with IC<sub>50</sub> of 9.8/2.6 nM. A-485 displays selectivity for p300/CBP over other HATs and histone methyltransferases in cells. A-485 dose-dependently decreases H3K27Ac in prostate adenocarcinoma PC-3 cells with EC<sub>50</sub> of 73 nM. A-485 selectively inhibits proliferation in lineage-specific tumour types. A-485 inhibits the AR transcriptional program in both androgen-sensitive and castration-resistant prostate cancer and inhibits tumour growth in a castration-resistant xenograft model.

### References

Lasko LM, et al. *Nature*. 2017 Oct 5;550(7674):128-132.

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

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