

Product Name : A-485

Synonyms : A485;A 485

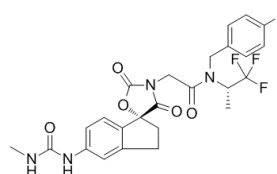
Cat No. : M12959

CAS Number : 1889279-16-6

Molecular Formula : C₂₅H₂₄F₄N₄O₅

Formula Weight : 536.48

Chemical Name : N-(4-fluorobenzyl)-2-((R)-5-(3-methylureido)-2',4'-dioxo-2,3-dihydrospiro[indene-1,5'-oxazolidin]-3'-yl)-N-((S)-1,1,1-trifluoropropan-2-yl)acetamide



Description : A potent, selective and, cell and in vivo active p300/CBP catalytic inhibitor with IC₅₀ of 9.8/2.6 nM; displays selectivity for p300/CBP over other HATs and histone methyltransferases in cells; dose-dependently decreases H3K27Ac in prostate adenocarcinoma PC-3 cells with EC₅₀ of 73 nM; selectively inhibits proliferation in lineage-specific tumour types; inhibits the AR transcriptional program in both androgen-sensitive and castration-resistant prostate cancer and inhibits tumour growth in a castration-resistant xenograft model.

Pathway : Chromatin/Epigenetic

Target : HAT

Receptor : HAT

Solubility : 10 mM in DMSO

SMILES : O=C(N1CC(N([C@H](C(F)(F)F)C)CC2=CC=C(F)C=C2)=O)[C@@]3(OC1=O)CCC4=CC(NC(NC)=O)=CC=C43

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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