

Product Name : I-CBP112 hydrochloride

Synonyms : —

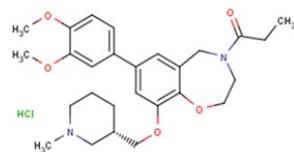
Cat No. : M17434

CAS Number : 2147701-33-3

Molecular Formula : C₂₇H₃₆N₂O₅HCl

Formula Weight : 505

Chemical Name : —



Description : I-CBP112 is a selective inhibitor of the bromodomain-containing transcription factors. I-CBP112 (1 mM) has little activity against other bromodomains. I-CBP112 targets the CBP/p300 bromodomains. I-CBP112 significantly reduced the leukemia-initiating potential of MLL-AF9(+) acute myeloid leukemia cells in a dose-dependent manner in vitro and in vivo. Interestingly, I-CBP112 increased the cytotoxic activity of BET bromodomain inhibitor JQ1 as well as doxorubicin.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : Akt

Receptor : CBP/p300, Leukemia cell; CBP/p300, Prostate cancer cell

Solubility : —

SMILES : CCC(=O)N1CCOC2=C(C1)C=C(C=C2OC[C@H]3CCCCN(C3)C)C4=CC=C(C=C4)OC)OC.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zucconi BE, et al. Modulation of p300/CBP Acetylation of Nucleosomes by Bromodomain Ligand I-CBP112. *Biochemistry*. 2016 Jul 12;55(27):3727-34.