

Product Data Sheet

Product Name: CBP/p300-IN-12

Cat. No.: GC64696

Chemical Properties

Cas. No. 2738688-57-6

Formula C₃₃H₂₉F₄N₅O₆

M.Wt 667.61

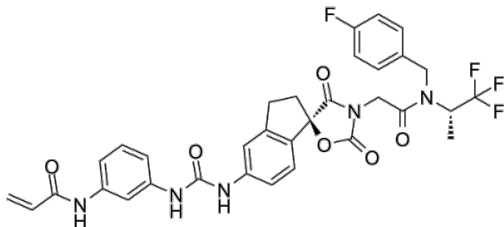
Solubility DMSO : 250 mg/mL (374.47 mM;
Need ultrasonic)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

CBP/p300-IN-12 is a potent and selective covalent histone acetyltransferases p300 (IC₅₀ of 166 nM) and CBP inhibitor. CBP/p300-IN-12 decreases the levels of H3K27Ac of PC-3 cells (EC₅₀ of 37 nM).

Caution: Product has not been fully validated for medical applications. For research use only.

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CBP/p300-IN-12 forms a covalent adduct with C1450[1].

CBP/p300-IN-12 (Compound 2) shows antiproliferative effect against androgen receptor (AR)-positive LnCaP-FGC cells (EC50 of 87 nM), while displaying significantly less activity in the AR-negative cell line DU-145 (EC50 of 1.37 μ M).

[1]. Anthony Mastracchio, et al. Discovery of a Potent and Selective Covalent p300/CBP Inhibitor. ACS Med Chem Lett. 2021 Apr 5;12(5):726-731.

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