

Product Data Sheet

Product Name: dCBP-1
Cat. No.: GC62211

Chemical Properties

Cas. No. 2484739-25-3

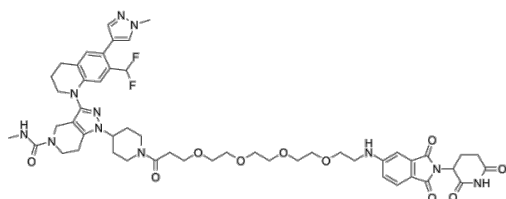
Formula $C_{51}H_{63}F_2N_{11}O_{10}$ M.Wt 1028.11

Solubility DMSO : 50 mg/mL (48.63 mM; ultrasonic and warming and heat to 80°C) Storage Store at -20°C, sealed storage, away from moisture and light

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

dCBP-1 is a potent and selective heterobifunctional degrader of p300/CBP based on PROTAC. dCBP-1 is exceptionally potent at killing multiple myeloma cells and ablates oncogenic enhancer activity driving MYC expression[1].

dCBP-1 (10-1000 nM; 6 hours) treatment shows near-complete degradation of p300/CBP in MM1S cells. dCBP-1 is also able to induce near-complete p300/CBP degradation across other multiple

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

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myeloma cell lines tested, including MM1R, KMS-12-BM, and KMS34[1]. Treatment of the human haploid cell line HAP1 for 6 h with dCBP-1 reveals almost complete loss of both CBP and p300 between 10 and 1000 nM doses. A time course analysis with 250 nM dCBP-1 revealed almost complete degradation of p300/CBP within an hour of treatment[1].

[1]. Raghu Vannam, et al. Targeted degradation of the enhancer lysine acetyltransferases CBP and p300. Cell Chem Biol. 2020 Dec 31;S2451-9456(20)30513-4.

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