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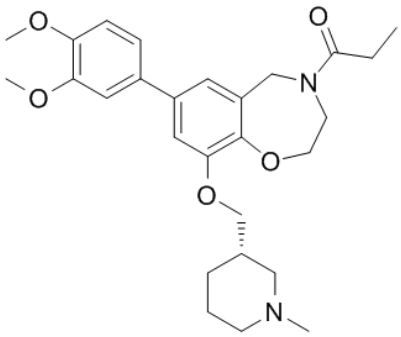
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	I-CBP112
Cat. No.	:	PC-45646
CAS No.	:	1640282-31-0
Molecular Formula	:	$C_{27}H_{36}N_2O_5$
Molecular Weight	:	468.5851
Target	:	Histone Acetyltransferase (HAT)
Solubility	:	DMSO: ≥ 32 mg/mL



Biological Activity

I-CBP112 is a specific and potent inhibitor of **CBP/p300** bromodomain with Kd of 150-170 nM.
I-CBP112 displaces H3K56ac from the CBP binding site with an IC50 of 170 nM.
I-CBP112 demonstrates 37-fold and 132-fold selectivity over BRD4 BD1 and BRD4 BD2, respectively.
I-CBP112 increases the cytotoxic activity of JQ1 in leukemic cells.
I-CBP112 impaires the disease-initiating self-renewal leukemic cells in vitro and in vivo without causing significant cytotoxicity.

References

Picaud S, et al. ***Cancer Res.*** 2015 Dec 1;75(23):5106-19.

Zucconi BE, et al. ***Biochemistry.*** 2016 Jul 12;55(27):3727-34.

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

E-mail: tech@probechem.com