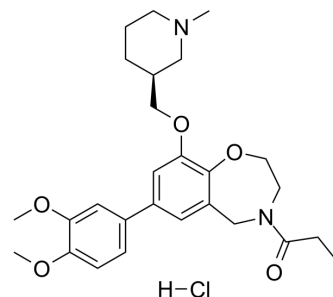


I-CBP112 hydrochloride

| | |
|--------------------|---|
| Cat. No.: | HY-19541A |
| CAS No.: | 2147701-33-3 |
| Molecular Formula: | C ₂₇ H ₃₇ ClN ₂ O ₅ |
| Molecular Weight: | 505.05 |
| Target: | Epigenetic Reader Domain |
| Pathway: | Epigenetics |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

I-CBP112 hydrochloride is a selective inhibitor of CBP/P300 that directly binds their bromodomains ($K_{dS} = 142$ and 625 nM, respectively). I-CBP112 significantly reduces the leukemia-initiating potential of MLL-AF9(+) acute myeloid leukemia cells in a dose-dependent manner in vitro and in vivo. I-CBP112 increases the cytotoxic activity of BET bromodomain inhibitor JQ1 as well as doxorubicin^[1].

REFERENCES

[1]. Picaud S, et al. Generation of a Selective Small Molecule Inhibitor of the CBP/p300 Bromodomain for Leukemia Therapy. *Cancer Res.* 2015 Dec 1;75(23):5106-5119.

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

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