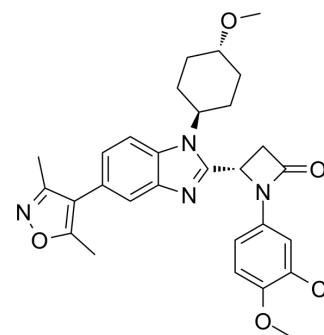


## P300 bromodomain-IN-1

Cat. No.:	HY-146445
Molecular Formula:	C <sub>29</sub> H <sub>31</sub> ClN <sub>4</sub> O <sub>4</sub>
Molecular Weight:	535.03
Target:	Epigenetic Reader Domain; Histone Acetyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	P300 bromodomain-IN-1 (Compound 1u) is a potent p300 (EP300) bromodomain inhibitor with an IC <sub>50</sub> of 49 nM. P300 bromodomain-IN-1 suppresses the expression of c-Myc and induces G1/G0 phase arrest and apoptosis in OPM-2 cells <sup>[1]</sup> .
IC <sub>50</sub> & Target	p300 49 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Chen Z, et al. Discovery of novel benzimidazole derivatives as potent p300 bromodomain inhibitors with anti-proliferative activity in multiple cancer cells. *Bioorg Med Chem.* 2022 Jul 15;66:116784.

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

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