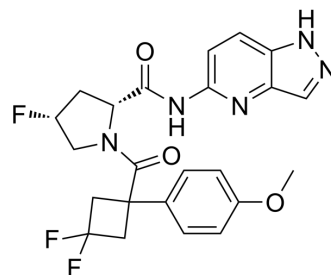


Ep300/CREBBP-IN-4

Cat. No.:	HY-128367
CAS No.:	2259641-42-2
Molecular Formula:	C ₂₃ H ₂₂ F ₃ N ₅ O ₃
Molecular Weight:	473.45
Target:	Histone Acetyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ep300/CREBBP-IN-4 (Example 56) is a potent Ep300 and CREBBP inhibitor with IC ₅₀ s of 0.024 and 0.064 μM, respectively. Ep300/CREBBP-IN-4 can be used for the research of cancer ^[1] .									
IC₅₀ & Target	EP300 0.024 μM (IC ₅₀)	CREBBP 0.064 μM (IC ₅₀)								
In Vitro	<p>Ep300/CREBBP-IN-4 (Example 56) inhibits intracellular H3K27Ac activity with an IC₅₀ of 0.020 μM^[1]. Ep300/CREBBP-IN-4 (38 nM-10 mM; 3 days) inhibits LK2 and TE-8 cell growth with GI₅₀s of 98.803 and 88.333 μM, respectively^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>LK2 and TE-8 cells</td> </tr> <tr> <td>Concentration:</td> <td>38 nM-10 mM</td> </tr> <tr> <td>Incubation Time:</td> <td>3 days</td> </tr> <tr> <td>Result:</td> <td>Inhibited LK2 and TE-8 cell growth with GI₅₀s of 98.803 and 88.333 μM, respectively.</td> </tr> </table>		Cell Line:	LK2 and TE-8 cells	Concentration:	38 nM-10 mM	Incubation Time:	3 days	Result:	Inhibited LK2 and TE-8 cell growth with GI ₅₀ s of 98.803 and 88.333 μM, respectively.
Cell Line:	LK2 and TE-8 cells									
Concentration:	38 nM-10 mM									
Incubation Time:	3 days									
Result:	Inhibited LK2 and TE-8 cell growth with GI ₅₀ s of 98.803 and 88.333 μM, respectively.									

REFERENCES

[1]. NAITO Hiroyuki, et al. EP300 / CREBBP inhibitor. Patent JPWO2018235966A1.

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

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