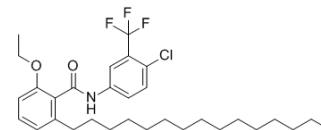


CTPB

Cat. No.:	HY-124960
CAS No.:	586976-24-1
Molecular Formula:	C ₃₁ H ₄₃ ClF ₃ NO ₂
Molecular Weight:	554.13
Target:	Histone Acetyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	CTPB is a good activator of p300 histone acetyl transferase (HAT) enzyme ^[1] .
IC ₅₀ & Target	p300
In Vitro	CTPB is a synthetic HAT activator, which promotes the transcription by increasing the H3 and H4 acetylation in nucleosome ^[1] .

REFERENCES

[1]. Sivanandam M, et al. Investigation of activation mechanism and conformational stability of N-(4-chloro-3-trifluoromethyl-phenyl)-2-ethoxybenzamide and N-(4-chloro-3-trifluoromethyl-phenyl)-2-ethoxy-6-pentadecyl-benzamide in the active site of p300 histone acetyl transferase enzyme by molecular dynamics and binding free-energy studies. *J Biomol Struct Dyn*. 2018 Oct 9:1-38.

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

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