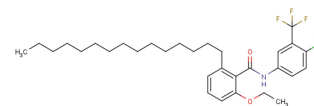


CTPB

Chemical Properties

CAS No.:	586976-24-1
Formula:	C ₃₁ H ₄₃ ClF ₃ NO ₂
Molecular Weight:	554.13
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	CTPB is a p300 histone acetyltransferase (HAT) enzyme activator.
Targets(IC ₅₀)	p300: None
In vitro	CTPB is a synthetic activator of HAT. It promotes the transcription by increasing the H3 and H4 acetylation in the nucleosome.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.805 mL	9.023 mL	18.046 mL
5 mM	0.361 mL	1.805 mL	3.609 mL
10 mM	0.18 mL	0.902 mL	1.805 mL
50 mM	0.036 mL	0.18 mL	0.361 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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