



Product Information

HMT inhibitor CTPB, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ568

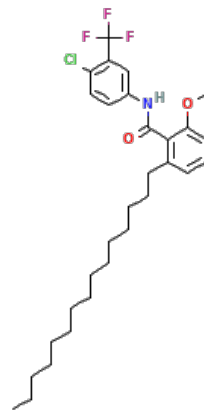
Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 586976-24-1

Compound CID: 10311918

Synonym: 586976-24-1; CTPB; Histone methyltransferase inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	CTPB inhibits enzymes that add acetyl groups to histones, affecting chromatin structure and regulating gene transcription. It targets CBP/p300.
Molecular Weight	554.13
Molecular Formula	$C_{31}H_{43}ClF_3NO_2$
Targets	CBP/p300
IUPAC Name	<i>N</i> -[4-chloro-3-(trifluoromethyl)phenyl]-2-ethoxy-6-pentadecylbenzamide
InChI	InChI=1S/C31H43ClF3NO2/c1-3-5-6-7-8-9-10-11-12-13-14-15-16-18-24-19-17-20-28(38-4-2)29(24)30(37)36-25-21-22-27(32)26(23-25)31(33,34)35/h17,19-23H,3-16,18H2,1-2H3,(H,36,37)
InChI Key	OYBMVMAXKOGYDC-UHFFFAOYSA-N
Canonical SMILES	<chem>CCCCCCCCCCCCCCCC1=C(C(=CC=C1)OCC)C(=O)NC2=CC(=C(C=C2)Cl)C(F)(F)F</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	CTPB can be used as an activator of the histone acetyltransferase p300, useful for studying gene expression.
Storage	Store at -20°C .