

**DATA SHEET**

**Product Name:** CTPB

**Catalog #:** N-3001

**Alt:** CAS # 586976-24-1; N-(4-chloro-3-trifluoromethyl-phenyl)-2-ethoxy-6-pentadecyl-benzamide

**Source:** Synthetic

**Molecular Mass:** 554.1 C<sub>31</sub>H<sub>43</sub>ClF<sub>3</sub>NO<sub>2</sub>

**Analysis:** 98% (TLC: 1:10 EtOAc:Hexane; R<sub>f</sub>=0.26); NMR (Conforms)

**Supplied As:** Off-white powder

**Resuspension:** May be dissolved in DMSO (100 mg/ml); or ethanol (50 mg/ml)

**Storage:** Store desiccated as supplied at -20°C for up to 3 years. Store solutions at -20°C for up to 3 months.

**Description:** A selective activator of p300 HAT (histone acetyltransferase) selective over PCAF (p300 CPB-associated factor)<sup>1,2</sup>. Promotes survival and neurite growth in a cellular model (SH-SY5Y cells) of Parkinson's disease<sup>3</sup>. Protects cells from death induced by the neurotoxin 5-hydroxydopamine<sup>3</sup>.

**References:**

1. Balasubramanyam, K., et al., (2003) J. Biol. Chem., *278*: 19134
2. Mantelingu, K., et al., (2007) J. Phys. Chem. B, *111*: 4527
3. Hegarty, S.V., et al., (2016) Neurotox. Res., *30*: 510

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