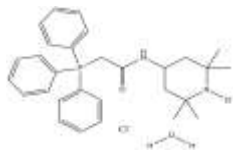


PRODUCT: Mito-TEMPO (hydrate)**ALTERNATE NAME:** (2-(2,2,6,6-Tetramethylpiperidin-1-oxyl-4-ylamino)-2-oxoethyl)triphenylphosphonium chloride, Mito-TEMPO**CATALOG #:** 9486-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₉H₃₅ClN₂O₂P · H₂O**MOLECULAR WEIGHT:** 528.04**CAS NUMBER:** N/A**APPEARANCE:** Pink solid**SOLUBILITY:** H₂O (~10 mg/ml)**PURITY:** ≥95%**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** Mito-TEMPO is a mitochondria-targeted superoxide dismutase mimetic that possesses superoxide and alkyl radical scavenging properties. Mitochondrial targeting of superoxide scavenging using mito-TEMPO has been examined for potential therapeutic benefit to a variety of mitochondrial dysfunctions arising from excessive reactive oxygen species.**REFERENCES:** Nazarewicz, R.R., *et al.* (2013). *Antioxid. Redox. Signal.* **19**, 344-349.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Ascorbic Acid Assay Kit (**Cat. No. K661-100**)Ascorbic Acid Assay Kit II (FRASC) (**Cat. No. K671-100**)Caffeic Acid (**Cat. No. 2006-100, 500**)Carnosic Acid (**Cat. No. 2075-5, 25**)Catalase Assay kit (**Cat. No. K773-100**)Deferoxamine Mesylate (**1883-500, 1000**)(-)-Epigallocatechin gallate (**Cat. No. 1841-50**)FeTPPS (**Cat. No. 2065-25, 100**)Glutathione (GSH/GSSG Total) Assay Kit (**Cat. No. K264-100**)Glutathione Colorimetric Assay Kit (**Cat. No. K261-100**)Glutathione Fluorometric Assay Kit (**Cat. No. K251-100**)Glutathione Peroxidase Assay Kit (**Cat. No. K762-100**)Glutathione Reductase Assay Kit (**Cat. No. K761-100**)GST Colorimetric Assay Kit (**Cat. No. K263-100**)GST Fluorometric Assay Kit (**Cat. No. K263-100**)Hydrogen Peroxide Assay Kit (**Cat. No. K265-100**)Luteolin (**Cat. No. 2005-5, 25**)MnTBAP Chloride (**Cat. No. 2058-10, 50**)MnTMPyp Pentachloride (**Cat. No. 2056-10, 50**)Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)Piceatannol (**Cat. No. 2072-5, 25**)Piperlongumine (**Cat. No. 1919-10, 50**)Piperlonguminine (**Cat. No. 1988-10, 50**)Pterostilbene (**Cat. No. 2073-5, 25**)Resveratrol (**Cat. No. 1758-100, 500**)Rhapontigenin (**Cat. No. 2074-1, 5**)Rosmarinic Acid (**Cat. No. 1843-50, 250**)SOD Activity Assay Kit (**Cat. No. K335-100**)Thioredoxin Reductase Assay Kit (**Cat. No. K763-100**)Tiliroside (**Cat. No. 1879-1,5**)Total Antioxidant Capacity Assay Kit (**Cat. No. K274-100**)Trolox (**Cat. No. 2076-50, 250**)Uric Acid Assay Kit (**Cat. No. K608-100**)Xanthine Oxidase Assay Kit (**Cat. No. K710-100**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**