

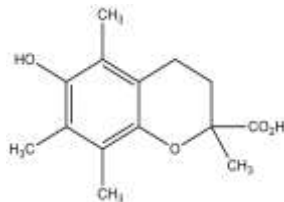
Trolox

ALTERNATE NAME: 6-hydroxy-2,5,7,8-tetramethylchroman-2-Carboxylic Acid

CATALOG #: 2076-50, 250

AMOUNT: 50 mg, 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₈O₄

MOLECULAR WEIGHT: 250.29

CAS NUMBER: 53188-07-1

APPEARANCE: Off-white solid

SOLUBILITY: EtOH (25 mg/ml)

PURITY: ≥98% (GC)

STORAGE: Store at -20 °C. Protect from air and moisture.

DESCRIPTION: Trolox is a cell-permeable, water-soluble derivative of vitamin E with potent antioxidant properties. It is commonly used as a standard or positive control in antioxidant assays. Trolox is used to assess the role of oxidative injury in processes like neuronal cell death and aging. It has been shown that lipid peroxidation, cytotoxicity, and apoptosis induced by cytochrome P450 2E1 in Hep G2 cells is blocked in the presence of Trolox.

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**)
- Uric Acid Assay Kit (**Cat. No. K608-100**)
- Xanthine Oxidase Assay Kit (**Cat. No. K710-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.