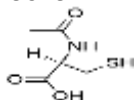


**PRODUCT: N-Acetyl-L-Cysteine****ALTERNATE NAME:** N-Acetylcysteine; LNAC; NAC**CATALOG #:** B1813-1G, 5G**AMOUNT:** 1 g, 5 g**STRUCTURE:****MOLECULAR FORMULA:** C<sub>5</sub>H<sub>9</sub>NO<sub>3</sub>S**MOLECULAR WEIGHT:** 163.19**CAS NUMBER:** 616-91-1**APPEARANCE:** White to off-white solid**SOLUBILITY:** H<sub>2</sub>O (~100 mg/ml)**PURITY:** ≥95%**STORAGE:** Store at -20 °C. Protect from air and moisture

**DESCRIPTION:** N-Acetyl-L-cysteine is an antioxidant and mucolytic agent. As an antioxidant, NAC scavenges hydrogen peroxide, hydroxyl radical, and hypochlorous acid. Increases cellular pools of free radical scavengers. Reported to prevent apoptosis in neuronal cells but induce apoptosis in smooth muscle cells.

**REFERENCES:** Kelly, G.S. (1998). *Altern. Med. Rev.* **3**, 114-127.**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 USE ONLY! Not to be used in humans**