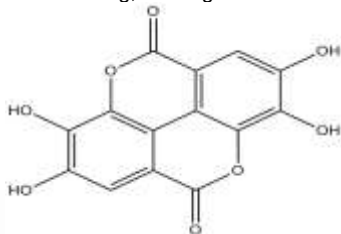


PRODUCT: Ellagic Acid**ALTERNATE NAME:** 4,4',5,5',6,6'-Hexahydroxydiphenic acid 2,6,2',6'-dilactone**CATALOG #:** B1154-100, 500**AMOUNT:** 100 mg, 500 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₄H₆O₈**MOLECULAR WEIGHT:** 302.19**CAS NUMBER:** 476-66-4**APPEARANCE:** Light brown or green grey solid**SOLUBILITY:** DMSO (~0.14 mg/ml)**PURITY:** ≥95% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.

DESCRIPTION: Ellagic acid is potent anti-oxidant that displays anti-cancer and anti-mutagenic properties. It inhibits CK2 (casein kinase 2) selectively with IC₅₀ values of 40 nM. It moderately inhibits Topoisomerases I and II, Lyn, PKA catalytic subunit Lyk, GSK-3 and FGR. It has also shown to act as an uncompetitive inhibitor of arginine methyltransferase CARM1 and also known to block H3R17 methylation.

REFERENCES: Constantinou, A., *et al.* (1995). *Nutr. Cancer* **23**, 121-130
Cozza, G., *et al.* (2006). *J. Med. Chem.* **49**, 2363-2366

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**