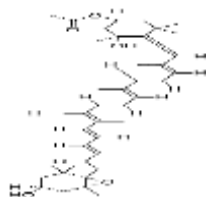


**PRODUCT: Fucoxanthine****ALTERNATE NAMES:** 6'R,7'-didehydro-5R,6-epoxy-4',5',6S,7-tetrahydro-3S,3'S,5'R-trihydroxy- $\beta$ , $\beta$ -caroten-8(5H)-one**CATALOG NUMBER:** B2072-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>42</sub>H<sub>58</sub>O<sub>6</sub>**MOLECULAR WEIGHT:** 658.9**CAS NUMBER:** 3351-86-8**APPEARANCE:** Red to dark red solid**SOLUBILITY:** EtOH (~ 10 mg/ml)**PURITY:**  $\geq$ 95%**STORAGE:** Store at -20 °C. Protect from air and moisture**DESCRIPTION:** Fucoxanthin is a natural pigment found in microalgae, especially diatoms and *Chrysophyta*. Recently, it has been shown to have antioxidant, anti-inflammatory, anti-tumor, and anti-obesity activity in humans. Fucoxanthin increases the amount of mitochondrial uncoupling protein 1 (UCP1), a fatty acid-stimulated protein involved in respiration and thermogenesis in WAT of mice and rats.**REFERENCES:** Zheng, J., *et al.* (2014). *Mar Drugs* **12**, 4214-4230.**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**