

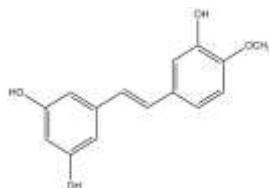
Rhapontigenin

ALTERNATE NAME: 5-[(1E)-2-(3-hydroxy-4-methoxyphenyl)ethenyl]-1,3-benzenediol

CATALOG #: 2074-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₁₄O₄

MOLECULAR WEIGHT: 258.27

CAS NUMBER: 500-65-2

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~30 mg/ml) or EtOH (~30 mg/ml)

PURITY: ≥98% (GC)

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

DESCRIPTION: A natural analog of resveratrol (Cat. No. 1758-100, 500) with antioxidant and anti-cancer activity. Rhapontigenin was found to scavenge intracellular reactive oxygen species (ROS), the 1,1-diphenyl-2-picrylhydrazyl (DPPH) radical, and hydrogen peroxide (H₂O₂). Rhapontigenin protected against H₂O₂-induced membrane lipid peroxidation and cellular DNA damage, which are the main targets of oxidative stress-induced cellular damage.

REFERENCE: Zhang, R., *et al.* (2007). *J. Toxicol. Environ Health A*. **70**, 1155-1166.

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**)
- 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**)

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