

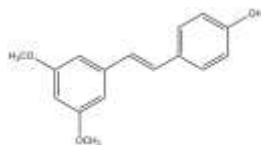
## Pterostilbene

**ALTERNATE NAME:** 4-[(E)-2-(3,5-Dimethoxyphenyl)ethenyl]phenol; 3',5'-Dimethoxy-4-stilbenol

**CATALOG #:** 2073-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>16</sub>H<sub>16</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 256.30

**CAS NUMBER:** 537-42-8

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% (LC)

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

**DESCRIPTION:** A natural stilbenoid related to Resveratrol (Cat. No. 1758-100, 500). Displays anti-oxidative, anti-cancer, anti-hypercholesterolemia, and anti-hypertriglyceridemia properties. Pterostilbene alters gene expression in pancreatic cancer and increases the antiproliferative markers cytochrome C, Smac/DIABLO, and MnSOD/antioxidant activity. It was also shown to inhibit phosphorylated STAT3, a marker of accelerated tumorigenesis, and decrease pancreatic tumor growth in vivo.

**REFERENCE:** McCormack, D.E., *et al.* (2012). *J. Gastrointest. Surg.* **16**, 1136-1143.

**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**)
- 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**)

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