



Product Information

Product ID P7718

CAS No. 537-42-8

Chemical Name

Synonym 3',5'-Dimethoxy-4-stilbenol,
3,5-Dimethoxy-4'-hydroxy-E-stilbene,
3',5'-dimethoxy-resveratrol

Formula C₁₆H₁₆O₃

Formula Wt. 256.30

Melting Point

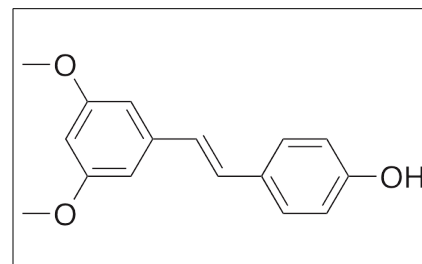
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Pterostilbene is a methylated analog of resveratrol; it exhibits antioxidative, anticancer, anti-metastatic, and anxiolytic properties. This compound inhibits DNA strand breaks induced by DPPH, superoxide, and hydrogen peroxide in cellular models. Also in vitro, pterostilbene inhibits tumor sphere formation, cellular migration and invasion and increases apoptosis, potentially through suppression of NF-κB and metastasis-associated protein 1. Additionally, pterostilbene downregulates ERK signaling in the hippocampus in animal models, resulting in increased open arm entries in an elevated plus maze.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P7718	50 mg	\$85.70
P7718	100 mg	\$142.80
P7718	250 mg	\$285.30
P7718	1 g	\$927.50

References Acharya JD, Ghaskadbi SS. Protective effect of Pterostilbene against free radical mediated oxidative damage. BMC Complement Altern Med. 2013 Sep 26;13(1):238. [Epub ahead of print]. PMID: 24070177.

Lee CM, Su YH, Huynh TT, et al. BlueBerry Isolate, Pterostilbene, Functions as a Potential Anticancer Stem Cell Agent in Suppressing Irradiation-Mediated Enrichment of Hepatoma Stem Cells. Evid Based Complement Alternat Med. 2013;2013:258425. PMID: 23878592.

Al Rahim M, Rimando AM, Silistrel K, et al. Anxiolytic action of pterostilbene: involvement of hippocampal ERK phosphorylation. Planta Med. 2013 Jun;79(9):723-30. PMID: 23677525.

Mak KK, Wu AT, Lee WH, et al. Pterostilbene, a bioactive component of blueberries, suppresses the generation of breast cancer stem cells within tumor microenvironment and metastasis via modulating NF-κB/microRNA 448 circuit. Mol Nutr Food Res. 2013 Jul;57(7):1123-34. PMID: 23504987.

Li K, Dias SJ, Rimando AM, et al. Pterostilbene acts through metastasis-associated protein 1 to inhibit tumor growth, progression and metastasis in prostate cancer. PLoS One. 2013;8(3):e57542. PMID: 23469203.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.