



LKT Laboratories, Inc.

Resveratrol

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Product Information

Product ID R1776

CAS No. 501-36-0

Chemical Name 1,3-Benzenediol, 5-(2-(4-hydroxyphenyl)ethenyl)-, (E)-

Synonym 3,4',5-Stilbenetrio, 3,4',5-Trihydroxystilbene

Formula C₁₄H₁₂O₃

Formula Wt. 228.24

Melting Point 254° C

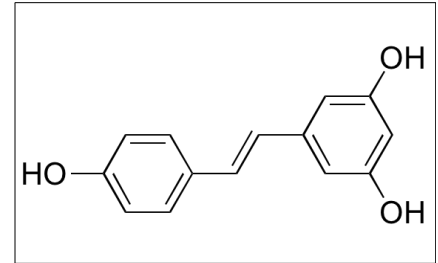
Purity ≥98%

Solubility Soluble in DMSO and ethanol.

Store Temp -20° C

Ship Temp Ambient

Description Resveratrol and its metabolites are phenolic phytoalexins found in several plants such as soybeans, peanuts, blueberries, mulberries, and grapes. Resveratrol is most well known for its antioxidative effects and activation of SIRT1, both contributing to its cardioprotective, anticancer chemotherapeutic, chemopreventive, anti-aging, anti-inflammatory, and antiviral activities; it also acts as a phytoestrogen. Resveratrol reversibly inhibits MAO as well as synaptosomal 5-HT and NE uptake, indicating potential antidepressant activity. This compound also shows benefit in in vitro and in vivo models of Alzheimer's disease, degrading amyloid-β (Aβ) plaques, increasing brain cysteine levels, and decreasing brain glutathione levels; these effects may be dependent on resveratrol's activation of AMPK and/or proteasomes.



Bulk quantities available upon request

Product ID	Size
R1776	100 mg
R1776	500 mg
R1776	1 g
R1776	5 g

References Mohar DS, Malik S. The Sirtuin System: The Holy Grail of Resveratrol? J Clin Exp Cardiol. 2012 Nov;3(11). 216. PMID: 23560248.

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Karuppagounder SS, Pinto JT, Xu H, et al. Dietary supplementation with resveratrol reduces plaque pathology in a transgenic model of Alzheimer's disease. Neurochem Int. 2009 Feb;54(2):111-8. PMID: 19041676.

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Marambaud P, Zhao H, Davies P. Resveratrol promotes clearance of Alzheimer's disease amyloid-beta peptides. J Biol Chem. 2005 Nov 11;280(45):37377-82. PMID: 16162502.

Narayanan N, Nargi D, Randolph C, et al. Liposome encapsulation of curcumin and resveratrol in combination reduces prostate cancer incidence in PTEN knockout mice. Int J Cancer. 2009 Feb 6;125(1):1-8. PMID: 19326431.

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