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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Resveratrol

Antioxidant
Catalog No. SIH-264



Discovery through partnership | Excellence through quality

Overview

Product Name

Resveratrol

Description

Antioxidant

Purity

>98%

CAS No.

501-36-0

Molecular Formula

C14H12O5

Molecular Weight

228.25

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Antioxidant

Solubility

Soluble to 100 mM in DMSO and to 100 mM in ethanol

Source

Synthetic

Appearance

Off-White Solid

SMILES

C1=CC(=CC=C1/C=C/C2=CC(=CC(=C2)O)O)O

InChi

InChi=1S/C14H12O5/c15-12-5-3-10(4-6-12)1-2-11-7-13(16)9-14(17)8-11/h1-9,15-17H/b2-1+

InChIKey

LUKBXSAWLPMMSZ-OWOJBTEDSA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Hazard Phrases:

H302-H315-H317-H318-H335

Precautionary Phrases:

P261-P280-P305 + P351 + P338

Cite This Product

Resveratrol (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-264)

Biological Description

Alternative Names

5-[(E)-2-(4-Hydroxyphenyl)vinyl]-1,3-benzenediol

Research Areas

Cancer, Oxidative Stress

PubChem ID

445154

Scientific Background

Resveratrol is a stilbenoid and a phytoalexin produced naturally by several plants. Its effects are numerous and include anti-cancer (1), anti-inflammatory (2), anti-fungal and has other beneficial cardiovascular effects.

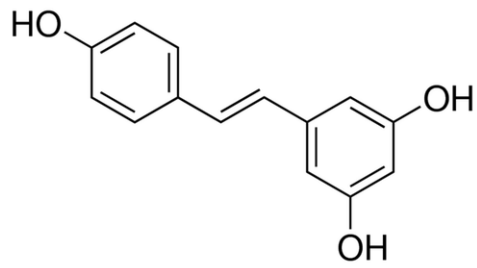
It has been proposed that Mn SOD is increased by the pathway RESV-SIRT1/Nad⁺- FOXO3a- MnSOD (3). In terms of its anti-cancer properties, resveratrol modulates the transcription factor NF-KB and inhibition of the cytochrome P450 enzyme (1, 4).

References

1. Leiro J., et al. (2005) *Int Immunopharm.* 5(2): 393-406.
 2. Gentilli M., et al. (2001) *Life Sciences.* 68(11): 1317-1321.
 3. Robb E.L., et al. (2008) *Biochem Biophys Res Commun.* 367(2): 406-412.
 4. Chun Y.J., Kim M.Y., Guengerich F.P. (1999) *Biochem Biophys Res Commun.* 262(1): 20-24.
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Product Images

Chemical structure of Resveratrol (SIH-264), a Antioxidant. CAS #: 501-36-0.
Molecular Formula: C₁₄H₁₂O₃ . Molecular Weight: 228.25 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.