



Catalog # 10-1057

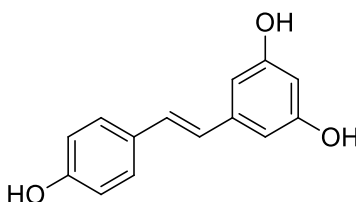
Resveratrol

CAS# 501-36-0

3,4',5-Trihydroxy-trans-stilbene

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

Lot # X101075



Naturally occurring phenolic antioxidant. Displays antitumor and antiplatelet effects¹. Activates SIRT1 and increases longevity in yeast². Ameliorates ageing-related phenotypes by inhibition of cAMP phosphodiesterases³.

- 1) Fremont (2000), *Biological effects of resveratrol* ; Life Sci., **66** 663
- 2) Howitz *et al.* (2003), *Small molecule activators of sirtuins extend Saccharomyces cerevisiae lifespan* ; Nature, **425** 191
- 3) Park *et al.* (2012), *Resveratrol ameliorates aging-related metabolic phenotypes by inhibiting cAMP phosphodiesterases* ; Cell, **148** 421

PHYSICAL DATA

Molecular Weight:	228.25
Molecular Formula:	C ₁₄ H ₁₂ O ₃
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml), or ethanol (up to 20 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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