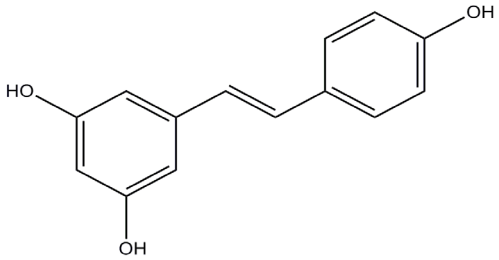
# Resveratrol

**ALTERNATE NAME:** 3,4′,5-Trihydroxy-*trans*-stilbene, 5-[(1E)-2-(4-Hydroxyphenyl)ethenyl]-1,3-benzenediol

**CATALOG #:** 1758-100, 500

**AMOUNT:** 100 mg, 500 mg

**STRUCTURE:**




**MOLECULAR FORMULA:** $C_{14}H_{12}O_3$

**MOLECULAR WEIGHT:** 228.24

**CAS NUMBER:** 501-36-0

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

**SOLUBILITY:** DMSO (50 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 ℃

**DESCRIPTION:** A phytoalexin found in the skin of red grapes and as a constituent in red wine. Displays anti-inflammatory, and anti-tumor properties. Acts as an antioxidant and specific inihibitor of cyclooxygenase-1 (COX-1). Resveratrol activates Sirtuin (SIRT1) gene, a gene that may be associated with cellular longevity and ability to slow down the aging process. Resveratrol was reported in one study to reduce MERS-CoV replication *in vitro*.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

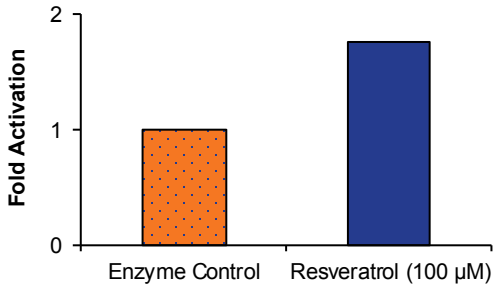



**Figure:** Activation of SIRT1 using 100 µM Resveratrol. Resveratrol increases SIRT1 Activity by ~1.7 fold. Assays are performed using our SIRT1 Inhibitor/Activator Screening Kit (Fluorometric) kit (K325-100) protocol.

**RELATED PRODUCTS:**

- Cambinol **(Cat. No. 1653-10)**
- SIRT1 Inhibitor, EX-527 **(Cat. No. 1652-10)**
- SIRT2 Inhibitor, AGK2 **(Cat. No. 1651-10)**

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

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