

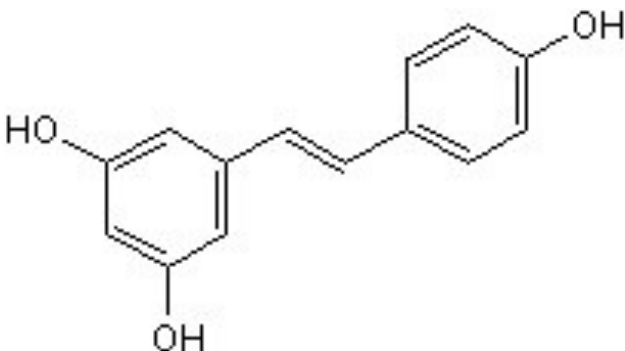
Cat No. 68-H42

Resveratrol

100mg

Resveratrol is a natural polyphenol, found in grapes and red wine, and is a selective inhibitor of cyclooxygenase-1 (COX-1). It inhibits COX and peroxidase activities of COX-1 with essentially no inhibition of the COX activity of COX-2. It has shown to have antiproliferative activity in cancer stem cells. It has also been used extensively in stem cell studies to enhance self-renewal and multipotency of MSCs. It has been used in many studies on cardiac stem cells, bone marrow derived stem cells and adipose-derived mesenchymal stem cells. It has anti-tumor, antioxidant, anti-platelet, anti-inflammatory and anti-fungal effects.

TECHNICAL INFORMATION



Other Names: ϵ -5-(4-hydroxystyryl) benzene-1, 3-diol

Chemical Formula: C₁₄H₁₂O₈

CAS Number: 501-36-0

PubChem Substance ID: 445154

Molecular Weight: 228.24

Purity: >99%

Appearance: White- Off White Solid

Solubility: DMSO

IC₅₀ : 23 μ m

STORAGE AND HANDLING



For research purposes only

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO.

REFERENCES

1. Buonocore, D., et al (2012). Resveratrol-procyanidin blend: nutraceutical and antiaging efficacy evaluated in a placebocontrolled, double-blind study. Clin cosmet investing dermatol. 5:159-65.
2. Ageel, Y., et al (2012). Anti-Acanthamoebic properties of resveratrol and demethoxycurcumin. Exp parasitol. 10:1016.
3. Clouser, C.L., et al (2012). Anti-HIV-1 activity of resveratrol derivatives and synergistic inhibition of HIV -1 by the combination of resveratrol and decitabine. Bioorg med chem let. 22:6642-6.