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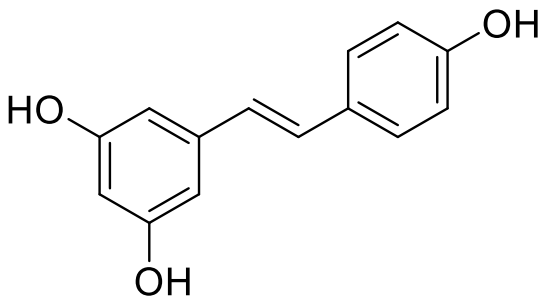
PRODUCT DATA SHEET

Resveratrol

Code No.: **BIA-R3077**

Pack sizes: **5 mg, 25 mg**



Synonyms : (E)-3,4′,5-Trihydroxystilbene, (E)-Resveratrol

Specifications

CAS #	:	**501-36-0**
Molecular Formula	:	**$C_{14}H_{12}O_3$**
Molecular Weight	:	**228.2**
Source	:	**Third party**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol and DMSO.**

Application Notes

Resveratrol is a well-known polyphenolic metabolite widespread in many plants. Resveratrol was first reported by Takaoka in 1939 from the plant Veratrum grandiflorum. Structurally, resveratrol is a stilbene that bears three phenolic hydroxyl groups. Resveratrol demonstrates free radical scavenging, antioxidant, antitumor, neuroprotective and antiinflammatory effects and acts as a phytoalexin. Resveratrol has antibacterial and antifungal activity, inhibits tyrosinase and inhibits cell adhesion molecules (ICAM-1 and VCAM-1).

References

1. Takaoka M. (1939). Resveratrol, a new phenolic compound, from Veratrum grandiflorum. J. Chem. Soc. Jpn., 60, 1090.
2. Salehi B. et al. (2018). Resveratrol: A double-edged sword in health benefits. Biomed. 6, 91.
3. Vestergaard M. & Ingmer H. (2019). Antibacterial and antifungal properties of resveratrol. Int. J. Antimicrob. Agents, 53, 716.
4. Ferrero M.E. et al. (1998). Activity in vitro of resveratrol on granulocyte and monocyte adhesion to endothelium. Am. J. Clin. Nutr., 68, 1208.

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