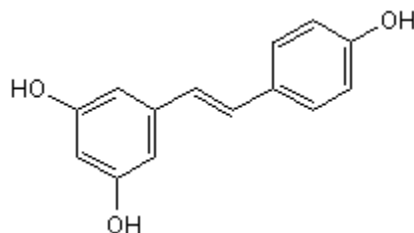


Resveratrol

Cat. No. 1418



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

Biological Activity

A phytoestrogen with antitumor, antioxidant, antiplatelet, anti-inflammatory and antifungal effects. Inhibits cytochrome P450 1A1 ($IC_{50} = 23 \mu\text{M}$) and displays mixed agonist/antagonist actions at $ER\alpha$ and $ER\beta$ estrogen receptors. Converted into the anticancer agent [piceatannol](#) (Cat. No. 1554) by cytochrome P450 1B1.

Technical Data

M.Wt:

228.25

Purity:

>98 %

Formula:

$C_{14}H_{12}O_3$

Storage:

Desiccate at +4°C

Solubility:

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

CAS No:

501-36-0

The technical data provided above is for guidance only.

For batch specific data refer to the Certificate of Analysis.

References

Kimura *et al* (1985) Effects of stilbenes on arachidonate metabolism in leukocytes. *Biochim.Biophys.Acta* **834** 275. PMID: [3922423](#).

Chun *et al* (1999) Resveratrol is a selective human cytochrome P450 1A1 inhibitor. *Biochem.Biophys.Res.Commun.* **262** 20. PMID: [10448061](#).

Bowers *et al* (2000) Resveratrol acts as a mixed agonist/antagonist for estrogen receptors α and β . *Endocrinology* **141** 3657. PMID: [11014220](#).

Fremont (2000) Biological effects of resveratrol. *Life Sci.* **66** 663. PMID: [10680575](#).

Baur and Sinclair (2006) Therapeutic potential of resveratrol: the *in vivo* evidence. *Nat.Rev.Drug Discov.* **5** 493. PMID: [16732220](#).

If you know of a relevant citation for this product [please let us know](#).

Keywords: Resveratrol, supplier, Antitumor, anti-oxidant, agent, Cyclooxygenase, inhibitor, COX, Oxygenases, Oxidases

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