Resveratrol

Antioxidant. SIRT1 activator.

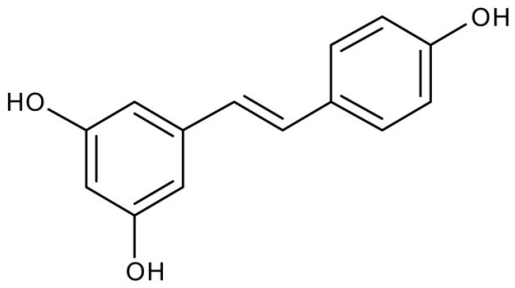
Phenolic antioxidant found in grapes and wine. Potent activator of human deacetylase SIRT1 (maximum effect at 100-200μM). Increases longevity in yeast. Displays antiproliferative effect on human breast epithelial cells. Displays a variety of pharmacological activities including: estrogen receptor agonist activity, inhibition of ribonucleotide reductase and DNA synthesis, inhibition of eicosanoid synthesis, cell cycle arrest at S/G2 phase and induction of apoptosis. Inhibits PKD *in vitro* (IC_{50}=200μM) and *in vivo* (IC_{50} =800μM), but not PKC isoforms. Protects against 4-hydroxynonenal (4-HNE) induced oxidative stress and apoptosis. Shows cancer chemopreventive activity. Specific inhibitor of cyclooxygenase-1 (COX-1). Inhibits the hydroperoxidase activity of COX-1.

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Ordering Information Order Online »

BML-FR104-0100	100mg

Manuals, SDS & CofA View Online »

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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	trans-3,4′,5-Trihydroxystilbene
Appearance	White to yellow solid.
CAS	501-36-0
Couple Target	COX, Estrogen receptor, PKD, SIRT, SIRT1
Couple Type	Activator, Inhibitor, Ligand
Formula	$C_{14}H_{12}O_3$
MI	**14:** 8158
MW	228.2
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (65mg/ml), 100% ethanol or dimethyl formamide; slightly soluble in water (0.1mg/ml).
Technical Info / Product Notes	Note: Product is not sterile.

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