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Resveratrol Formulation SRT501

National Cancer Institute

Source

National Cancer Institute. *Resveratrol Formulation SRT501*. NCI Thesaurus. Code C85484.

A proprietary formulation of resveratrol, a polyphenolic phytoalexin derived from grapes and other food products with potential antioxidant, anti-obesity, antidiabetic and chemopreventive activities. Resveratrol may activate sirtuin subtype 1 (SIRT-1). SIRT 1 activation has been reported to inhibit tumorigenesis and tumor cell proliferation. SIRT-1 is a member of the silent information regulator 2 (SIR2) (or sirtuin) family of enzymes that plays an important role in mitochondrial activity and acts as a protein deacetylase. SIRT 1 appears to be involved in the regulation of numerous transcription factors such as NF-kB and p53.