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Muscadine Grape Skin Extract

National Cancer Institute

Source

National Cancer Institute. *Muscadine Grape Skin Extract*. NCI Thesaurus. Code C96231.

A nutritional supplement containing an extract of the skin of Muscadine grape (*Vitis rotundifolia*), with anti-inflammatory, antioxidant and potential chemopreventive activities. The skin extract of the muscadine grape contains numerous phytochemicals including hydrolyzable tannins and flavonoids, such as anthocyanin 3,5-diglucosides, quercetin, myricetin, and kaempferol glycosides. Upon administration, muscadine grape skin extract (MSKE) appears to inhibit PI3K/Akt and MAPK signaling, eventually leading to apoptosis and a reduction in tumor cell proliferation.