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Phytofluene

National Cancer Institute

Source

National Cancer Institute. *Phytofluene*. NCI Thesaurus. Code C126903.

A 40 carbon dietary fatty acid that is an intermediate in carotenoid biosynthesis in plants and is derived from the desaturation of double bonds in phytoene with potential to absorb ultraviolet radiation (UV), and potential antioxidant, chemopreventive and anti-inflammatory activities. Following ingestion and digestion, phytofluene may accumulate in the skin where it may prevent UV-mediated sun damage and carcinogenesis. In addition, phytofluene may prevent carcinogenesis by protecting cells against DNA damage through its free radical scavenger effects.