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Tocopherylquinone

National Cancer Institute

Source

National Cancer Institute. *Tocopherylquinone*. NCI Thesaurus. Code C126913.

An oxidized form of alpha-tocopherol with potent anticoagulant activity. Although the mechanism of action has not been fully elucidated, dietary supplementation with tocopherylquinone may lead to the inhibition of the vitamin K-dependent gamma-carboxylase (gamma-glutamyl carboxylase). This prevents the carboxylation of glutamyl residues in coagulation factor proteins and inhibits platelet aggregation and clotting.