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Manuscript Type: REVIEW

Beta-carotene and its protective effect of gastric cancer

Beat-carotene and gastric cancer

Abstract

Beta-carotene is an important natural pigment that is very beneficial to human health. It is widely found in vegetables and fruits. The three main functions are antioxidant effects, cell gap junction-related functions and immune-related functions. Because of its diverse functions, beta-carotene is believed to prevent and treat many chronic diseases. Gastric cancer is one of the most important diseases it can treat. Gastric cancer is a type of cancer with a high incidence. Its etiology varies, and the pathogenesis is complex.

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Beta-carotene and its protective effect of gastric cancer



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Beta-carotene supplementation has **not been shown to have any beneficial effect on cancer prevention**. Conversely, it was associated with increased risk not only of lung cancer but also of gastric cancer at doses of 20–30 mg day⁻¹, in smokers and asbestos workers.

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beta-Carotene

Chemical Compound

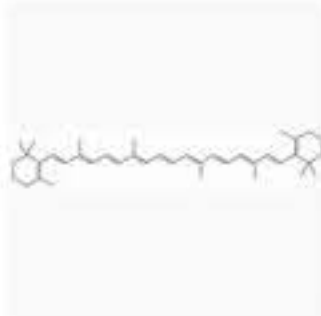
Chemical structure

Function

Molar mass

Solubility

>



β-Carotene is an organic, strongly coloured red-orange pigment abundant in fungi, plants, and fruits. It is a member of the carotenes, which are terpenoids, synthesized biochemically from eight isoprene units and thus having 40 carbons. Among the caroten... +

 Wikipedia

Chemical formula: C₄₀H₅₆

Density: 0.94 g/cm³

Boiling point: 1,171°F (633°C)

Average Molar mass: 536.87 g/mol

Melting point: 356°F (180°C)

IUPAC ID: beta,beta-Carotene

Nutrient rich foods

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