

Theaflavin

Cat. No. EXTM-004

Lot. No. (See product label)

Introduction

Description

Theaflavin is a golden-yellow pigment found in yellow tea and black tea; it is a product of tea fermentation. Biochemically, theaflavin is a class of polyphenols with hydroxyl groups and a theaflavone structure. Theaflavin is a substance that is soluble in ethyl acetate and appears orange-yellow in color. It is formed through the oxidation and condensation of polyphenols and their derivatives. Theaflavin content in black tea generally ranges from 0.3% to 1.5%, and it plays a decisive role in the color, aroma, flavor, and overall quality of black tea. This product possesses strong antioxidant properties and may be beneficial for cardiovascular and metabolic health. It is commonly used in dietary supplements, functional beverages and skin care products.

Applications

Natural colorants

Product Information

Appearance

Brownish-yellow powder

CAS No.

4670-05-7

Molecular Formula

C₂₉H₂₄O₁₂

Molecular Weight

564.49

Purity

99%