

## Lycopene

Cat. No. COEC-070

Lot. No. (See product label)

### Introduction

#### Description

Lycopene is an open chain unsaturated carotenoid that gives tomatoes, guava, rose hip, watermelon and pink grapefruit its red color. Studies show that lycopene intake is significantly associated with lower risk of lung, colon and stomach carcinogenesis. It is an antioxidant.

#### Applications

A highly conjugated antioxidant carotenoid compound

#### Synonyms

all-trans-Lycopene; Lycopene 7; Psi,psi-carotene; trans-Lycopene; prolycopene

### Product Information

#### Form

Solid

#### CAS No.

502-65-8

#### Molecular Formula

C<sub>40</sub>H<sub>56</sub>

#### Molecular Weight

536.87

#### Purity

≥98%

#### Melting Point

173-175° C

#### Boiling Point

~660.9° C at 760 mmHg (Predicted)

#### Solubility

Soluble in ethanol (sparingly), carbon disulfide, chloroform (1 mg/ml), and benzene. Insoluble in water.

#### Refractive Index

1.51 (Predicted)

#### Density

~1.1 g/mL (Predicted)