

# β-Carotene

Catalog No: tcsc2262



## Available Sizes

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

7235-40-7

**Formula:**

$C_{40}H_{56}$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Endogenous Metabolite

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 5.5 mg/mL (10.24 mM; Need ultrasonic and warming)

**Alternative Names:**

Provitamin A; beta-Carotene

**Observed Molecular Weight:**

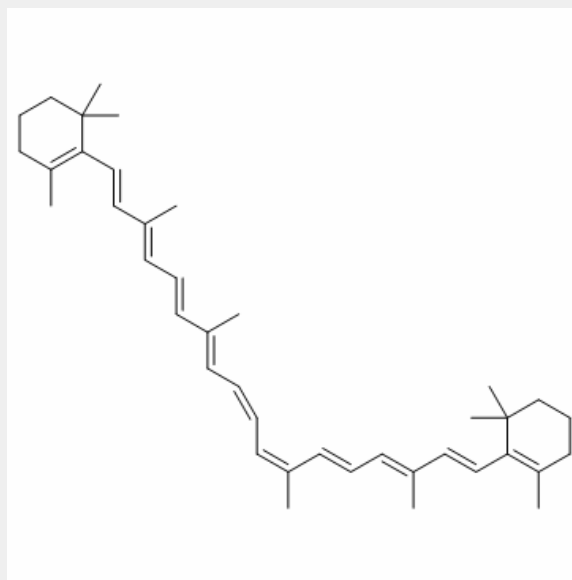
536.87

## Product Description

Beta Carotene is an organic compound and classified as a terpenoid. It is a precursor (inactive form) of vitamin A.

Target: Others

Beta Carotene is a strongly colored red-orange pigment abundant in plants and fruits.  $\beta$ -Carotene is biosynthesized from geranylgeranyl pyrophosphate. It is a member of the carotenes, which are tetraterpenes, synthesized biochemically from eight isoprene units and thus having 40 carbons. Among this general class of carotenes,  $\beta$ -carotene is distinguished by having beta-rings at both ends of the molecule. Absorption of  $\beta$ -carotene is enhanced if eaten with fats, as carotenes are fat soluble [1, 2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!