

1. Identification

Catalogue Number

P398810

Lot Number

17-WEN-100-3

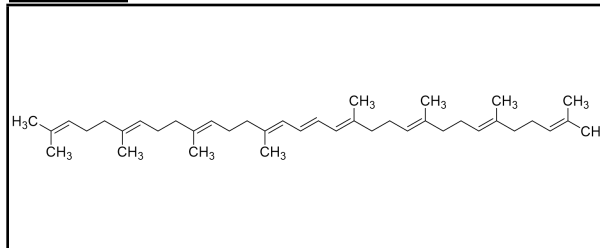
Product Name

trans-Phytoene (Technical grade)

Synonyms

7,7',8,8',11,11',12,12'-Octahydro-ψ,ψ-carotene; 2,6,10,14,19,23,27,31-octamethyl
-2,6,10,14,16,18,22,26,30-dotriacontanonaene; all-trans-7,7',8,8',11,11',12,12'-Octahydro-lycopene;
(all-E)-Phytoene; all-trans-Phytoene

Structure



CAS Number

540-04-5

Solubility

Chloroform (Slightly), Ethyl Acetate
(Slightly)

Shipping Condition

This Product Is Stable To Be Shipped With Dry Ice

Molecular Formula

C₄₀H₆₄

Source of Product

Synthetic

Long Term Storage Conditions

-86°C, Inert atmosphere, Light sensitive

Molecular Weight

544.94

Purity

Technical Grade

2. Warnings

Light Sensitive, Temperature Sensitive

3. Analytical Information

Tests

Appearance

Specifications

Colourless to Light Yellow Oil

Results

Clear Colourless Oil

NMR

Conforms to Structure

Conforms

MS

Conforms to Structure

Conforms

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed.
The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by



Jessica Wang Chi

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Quality Assurance Associate

Test Date

5/14/2025

Retest Date

5/12/2026