

1. Identification

Catalogue Number

T526127

Lot Number

14-JMR-134-5

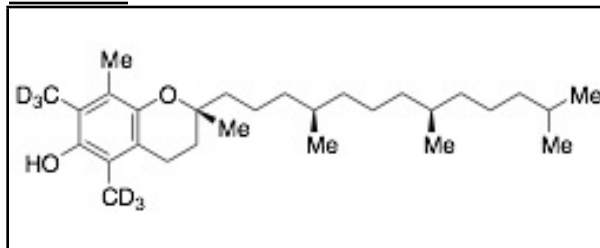
Product Name

α -Tocopherol-d6

Synonyms

(2R)-3,4-Dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-2H-1-benzopyran-6-ol-d6;
(+)- α -Tocopherol-d6; (all-R)- α -Tocopherol-d6; 5,7,8-Trimethyltocol-d6; Acros-d6; Almfrol-d6; Biopass
E 20-d6; d- α -Tocopherol-d6; Optovit-d6; Tocovital-d6;

Structure



CAS Number

113892-08-3

Solubility

Chloroform (Slightly), Ethanol
(Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular Formula

C₂₉H₄₄D₆O₂

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

436.74

Purity

>95%

2. Warnings

Light Sensitive

3. Analytical Information

Tests

Appearance

Specifications

Pale Yellow to Dark Brown Oil to Thick Oil

Results

Pale Yellow Oil to Thick Oil

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 79.80, %H: 11.87

HPLC Purity

>95%

98.56% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

95.8%

Specific Rotation

Report Result

+0.9° (c = 0.5, Ethanol)

Additional Information

Normalized Intensity: d₀ = 0.22%, d₁ = 0.09%, d₂ = 0.12%, d₃ = 4.50%, d₄ = 0.45%, d₅ = 8.46%, d₆ = 86.16%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm$ 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

R. Reddy

Swathi Reddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Quality Assurance Associate

Test Date

4/25/2025

Retest Date

4/23/2029