

1. Identification

Catalogue Number

T526117

Lot Number

8-JLI-23-1

Product Name

α -Tocopherol-d6 Acetate

Synonyms

(2R)-3,4-Dihydro-2,8-dimethyl-5,7-di(methyl-d3)-2-[(4R,8R)-4,8,12-trimethyltridecyl]-2H-1-benzopyran-6-ol 6-Acetate; Ephynal-d6 Acetate; (+)- α -Tocopherol-d6 Acetate; (+)- α -Tocopheryl-d6 Acetate; (2R,4'R,8'R)- α -Tocopherol-d6 Acetate; (2R,4'R,8'R)- α -Tocopheryl-d6 Acetate; (R,R,R)- α -Tocopheryl-d6 Acetate; 2,8-Dimethyl-5,7-di(methyl-d3)-2-(4,8,12-trimethyltridecyl)-6-chromanol Acetate; Alfaol-

CAS Number

143731-16-2

Solubility

Chloroform (Slightly), Methanol (Slightly)

Molecular Formula

C₃₁H₄₆D₆O₃

Source of Product

Synthetic

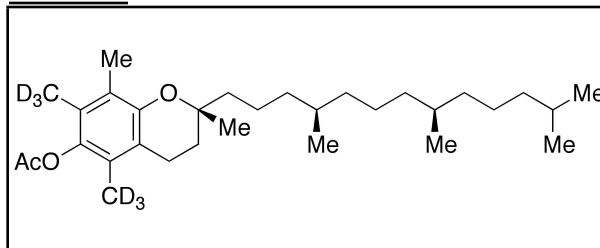
Molecular Weight

478.78

Purity

98%

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Long Term Storage Conditions

4°C

2. Warnings

3. Analytical Information

Tests

Appearance

Specifications

Colourless to Yellow Thick Oil to Low-Melting Solid

Results

Clear Colourless Oil

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 77.68, %H: 10.46

HPLC Purity

Report Result

99.83% (200 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

95.6%

Additional Information

Normalized Intensity: d₀ = 0.13%, d₁ = 0.07%, d₂ = 0.24%, d₃ = 5.82%, d₄ = 0.15%, d₅ = 6.55%, d₆ = 87.04%

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. L. Reddy

Reviewed by

Toni Rantanen

C of A Approved by

Chanell Chu

Test Date

12/2/2022

Retest Date

11/30/2026

Swathi Reddy

Toni Rantanen

Chanell Chu

Product Quality Specialist

Manager, Quality Assurance

Jr. Quality Assurance