

**1. Identification**Catalogue Number

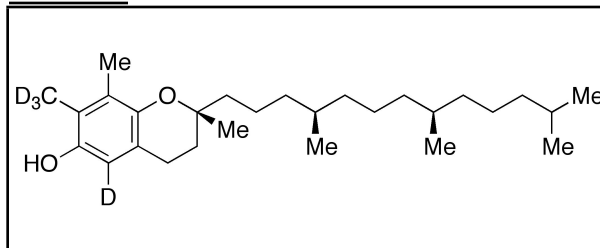
T526142

Lot Number

17-JQW-144-1

Product Name γ -Tocopherol-d4 (major)Synonyms

(2R)-3,4-Dihydro-2,8-dimethyl-7-(methyl-d4)-2-[(4R,8R)-4,8,12-trimethyltridecyl]-2H-1-benzopyran-6-ol; (+)- 2,8-Dimethyl-(7-methyl-d4)-2-(4,8,12-trimethyltridecyl)

StructureCAS Number

1329652-13-2

Solubility

Chloroform (Slightly), Ethyl Acetate (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_{28}H_{44}D_4O_2$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

420.7

Purity

>95%

2. Warnings

Light Sensitive

3. Analytical InformationTests

Appearance

Specifications

Colourless to Yellow Oil

Results

Clear Pale Yellow Oil

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

98.90% (205 nm)

MS

Conforms to Structure

Conforms

Additional InformationNormalized Intensity: $d_0 = 0.26\%$, $d_1 = 6.97\%$, $d_2 = 0.00\%$, $d_3 = 5.20\%$, $d_4 = 87.57\%$

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. SignaturesReviewed by

Henry Tieu

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

3/1/2024

Retest Date

2/28/2028