



CERTIFICATE OF ANALYSIS

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1. Identification

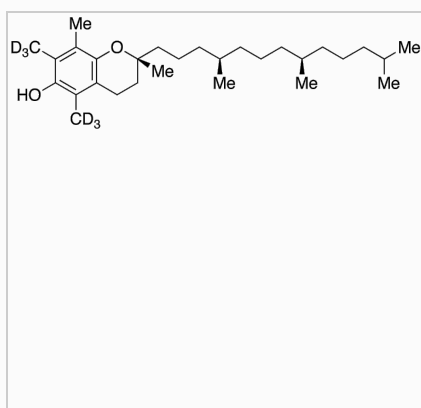
Catalogue Number: T526127

CAS Number: 113892-08-3

Product: α -Tocopherol-d6

Synonym: (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; Almefrol-d6; Biopass E 20-d6; d- α -Tocopherol-d6; Optovit-d6; Tocovital-d6;

Structure:



Molecular Formula:

C₂₉H₄₄D₆O₂

Molecular weight:

436.74

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethanol (Slightly), Ethyl Acetate (Slightly), Methanol (S)

Lot Number: 8-SHT-147-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Brown Oil to Thick Oil	Clear Pale Brown Thick Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 77.96, %H: 11.15
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	96.2%
Specific Rotation	Report Result	+0.1° (c = 0.2, Ethanol)
HPLC Purity	Report Result	96.53% (205 nm)

Additional Information:

Normalized Intensity: d1 = 0.03%, d1 = 0.06%, d2 = 0.25%, d3 = 3.55%, d4 = 0.51%, d5 = 9.61%, d6 = 85.99%

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	8/2/2022	7/31/2026
				