



CERTIFICATE OF ANALYSIS

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1. Identification

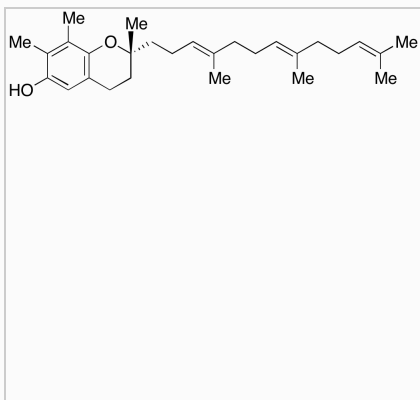
Catalogue Number: T526175

CAS Number: 14101-61-2

Product: D-γ-Tocotrienol

Synonym: [R-(E,E)]-3,4-Dihydro-2,7,8-trimethyl-2-(4,8,12-trimethyl-3,7,11-tridecatrienyl)-2H-1-benzopyran-6-ol; (2R)-3,4-dihydro-2,7,8-trimethyl-2-[(3E,7E)-4,8,12-trimethyl-3,7,11-tridecatrienyl]-2H-1-benzopyran-6-ol; 2,7,8-trimethyl-2-(4,8,12-trimethyl-3,7,11-tridecatrienyl)-6-chromanol; (2R)-3,4-Dihydro-2,7,8-trimethyl-2-[(3E,7E)-4,8,12-trimethyl-3,7,11-tridecatrien-1-yl]-2H-1-benzopyran-6-ol; (R)-γ-Tocotrienol; 7,8-Dimethyltocotrienol; Plastochromanol 3; γ-Tocotrienol

Structure:



Molecular Formula:

C₂₈H₄₂O₂

Molecular weight:

410.63

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly), Ethyl Acetate (Slightly), Methanol (Slig

Lot Number: 711611139-1-1

Purity: 97%

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:
Specific Rotation	Report Result	-3.4° (c = 0.1, Chloroform)
Appearance	Dark Yellow to Very Dark Yellow Thick Oil	Clear Dark Yellow Thick Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 81.57, %H: 10.84
GC	Report Result	97.29%

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	6/24/2022	6/22/2026
				