



CERTIFICATE OF ANALYSIS

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1. Identification

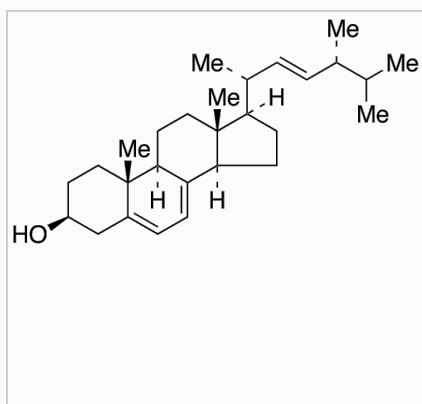
Catalogue Number: E599240

CAS Number: 57-87-4

Product: Ergosterol

Synonym: (3 β ,22E)-Ergosta-5,7,22-trien-3 β -ol; (24R)-Ergosta-5,7,22-trien-3 β -ol; 24-Methylcholesta-5,7,22-trien-3 β -ol; 24R-Methylcholesta-5,7,22E-trien-3 β -ol; 24 α -Methyl-22E-dehydrocholesterol; 3 β -Hydroxyergosta-5,7,22-triene; Ergosterin; Provitamin D; Provitamin D2; (22E,24R)-Ergosta-5,7,22-trien-3 β -ol;

Structure:



Molecular Formula:

C₂₈H₄₄O

Molecular weight:

396.65

Source of Product:

N/A

Solubility:

Acetone (Slightly, Heated),
Chloroform (Sparingly), Ethyl
Acetate (Slightly, Hea

Lot Number: 10-AZP-75-1

Purity: 95%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Light Yellow Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 81.58, %H: 11.59
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-116.0° (c = 1.0, Chloroform)
Water Content	Report Result	~3.7% based on Elemental Analysis

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 $\pm 2\%$. 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

Neha Khanna



Reviewed By

Toni Rantanen



**C of A Approved
By**

Christina Gouliaras



Test Date

3/18/2022

Retest Date

3/16/2026