

1. Identification

Catalogue Number

E599240

Lot Number

2023-SAP-101

Product Name

Ergosterol

Synonyms

(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;

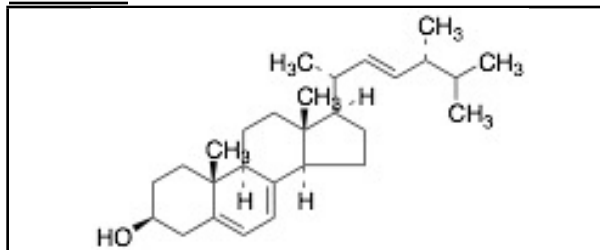
CAS Number

57-87-4

Solubility

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

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₈H₄₄O

Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

396.65

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Light Yellow Solid

Results

Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 82.29, %H: 11.55

HPLC Purity

>95%

99.47% (280 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

-121.0° (c = 1.0, Chloroform)

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

Nicole Yip

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Jr. Quality Assurance

Test Date

4/13/2023

Retest Date

4/11/2027