



CERTIFICATE OF ANALYSIS

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1. Identification

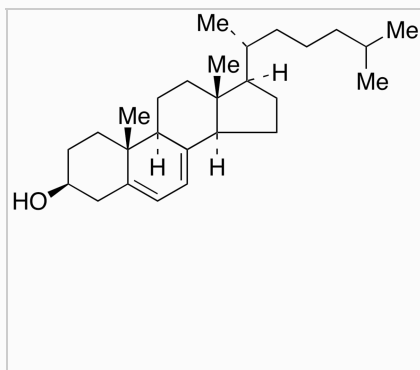
Catalogue Number: D229455

CAS Number: 434-16-2

Product: (3b)-7-Dehydro Cholesterol

Synonym: Cholesta-5,7-dien-3 β -ol; 7,8-Didehydrocholesterol; 7-Dehydrocholesterin; Provitamin D3.

Structure:



Molecular Formula:

C₂₇H₄₄O

Molecular weight:

384.64

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 711927203-1-1

Purity: 98%

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

Storage Condition: -20°C, Inert atmosphere

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 82.14, %H: 11.19
HPLC Purity	Report Result	99.67% (ELSD)
Specific Rotation	Report Result	-112.5° (c = 1.0, Chloroform)
MS	Conforms to Structure	Conforms

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Christina Gouliaras	12/22/2023	12/20/2027