



CERTIFICATE OF ANALYSIS

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1. Identification

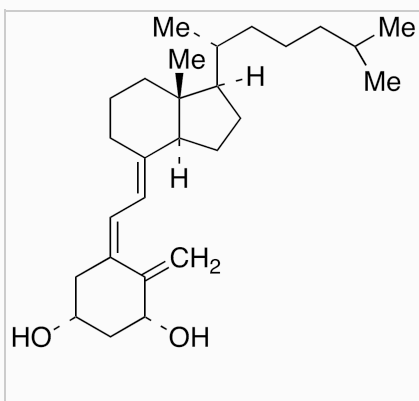
Catalogue Number: H995830

CAS Number: 63181-13-5

Product: 1b-Hydroxy Vitamin D3

Synonym: (1?,3?,5Z,7E)- 9,10-Secocholesta-5,7,10(19)-triene-1,3-diol; 1?-Calcidol; Alfalcidol Impurity B (EP); (5Z,7E)-9,10-secocholesta-5,7,10(19)-triene-1?,3?-diol

Structure:



Molecular Formula:

C₂₇H₄₄O₂

Molecular weight:

400.64

Source of Product:

Synthetic

Solubility:

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

Lot Number: 11-CSZ-111-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped With Dry Ice

Storage Condition: -86°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 79.65, %H: 11.07, %N: 0.11
Specific Rotation	Report Result	-54.1° (c = 0.3, Chloroform)
HPLC Purity	Report Result	97.44% (214 nm)

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	10/26/2021	10/24/2025