

1. Identification

Catalogue Number

D455087

Lot Number

9-JMR-57-1

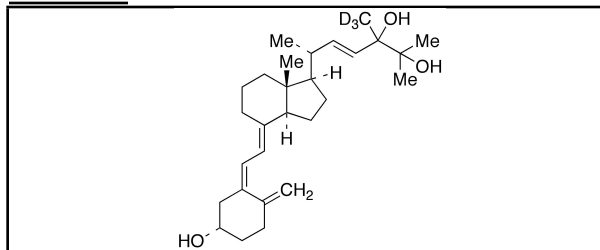
Product Name

24,25-Dihydroxy Vitamin D2-d3 (Mixture of Diastereomers)

Synonyms

(4E,6R)-2-Methyl-3-(methyl-d3)-6-[(1R,3aS,4E,7aR)-octahydro-4-[(2Z)-2-[(5S)-5-hydroxy-2-methylenecyclohexylidene]ethylidene]-7a-methyl-1H-inden-1-yl]-4-heptene-2,3-diol;
(3β,5Z,7E,22E,24ξ)-9,10-Secoergosta-5,7,10(19),22-tetraene-3,24,25-triol-d3;

Structure



CAS Number

118584-50-2

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped With Dry Ice

Molecular Formula

C₂₈H₄₁D₃O₃

Source of Product

Synthetic

Long Term Storage Conditions

-86°C, Inert atmosphere, Light sensitive

Molecular Weight

431.67

Purity

95%

2. Warnings

Light Sensitive

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Yellow Solid

Results

White to Pale Yellow Solid

NMR

Conforms to Structure

Conforms

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.7%

Additional Information

Normalized Intensity: d₀ = 0.03%, d₁ = 0.30%, d₂ = 0.34%, d₃ = 99.33%

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

Meenakshi Sharma
Product Quality Specialist

Reviewed by

Toni Rantanen
Manager, Quality Assurance

C of A Approved by

Chanell Chu
Quality Assurance Associate

Test Date

7/26/2023

Retest Date

7/24/2027