

1. Identification

Catalogue Number

H941952

Lot Number

8-NSR-68-2

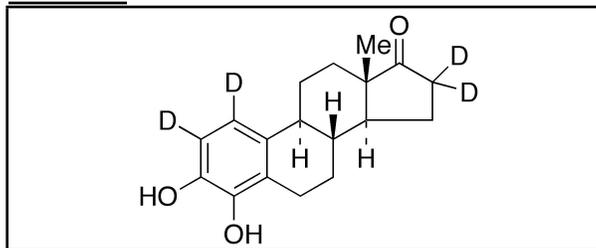
Product Name

4-Hydroxy Estrone-d4

Synonyms

3,4-Dihydroxyestra-1,3,5(10)-trien-17-one-d4; 3,4-Dihydroxy-1,3,5(10)-estratrien-17-one-d4; 4-Hydroxyestrone-1,2,16,16-d4;

Structure



CAS Number

81586-98-3

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₈H₁₈D₄O₃

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Inert atmosphere, Light sensitive

Molecular Weight

290.39

Purity

>95%

2. Warnings

Light Sensitive

3. Analytical Information

Tests

Appearance

Specifications

Pale Beige to Grey Solid

Results

Pale Beige to Grey Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 73.18, %H: 7.70

HPLC Purity

>95%

96.81% (210 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

96.8%

Additional Information

Normalized Intensity: d₀ = 0.33%, d₁ = 0.47%, d₂ = 1.14%, d₃ = 7.82%, d₄ = 90.24%

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

Sadaf Samadi

Sadaf Samadi

Quality Assurance Associate

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Quality Assurance Associate

Test Date

9/17/2024

Retest Date

9/15/2028