

1. Identification

Catalogue Number

TRC-M304712

Lot Number

9-THT-146-3

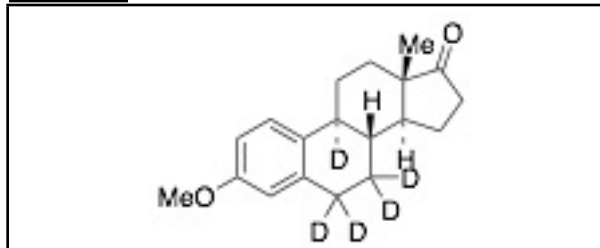
Product Name

3-O-Methyl Estrone-d5 (Major)

Synonyms

3-Methoxy-estra-1,3,5(10)-trien-17-one-d5; (+)-Estrone-d5 3-Methyl Ether; 3-Methoxyestrone-d5; 3-O-Methylestrone-d5; Estrone-d5 3-Methyl Ether; Estrone-d5 O-Methyl Ether; NSC 88911-d5; Oestrone-d5 Methyl Ether;

Structure



CAS Number

N/A

Solubility

Chloroform (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₉H₁₉D₅O₂

Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

289.42

Purity

96%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 77.46, %H: 8.34

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+137.6° (c = 0.2, Chloroform)

Additional Information

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 8 : 2; Visualized with UV and AMCS; Single Spot, R_f = 0.70.

Elemental Analysis: (Theoretical) %C: 78.85, %H: 8.36

Normalized Intensity: d₀ = 0.65%, d₁ = 0.36%, d₂ = 1.05%, d₃ = 0.48%, d₄ = 4.17%, d₅ = 89.46%, d₆ = 3.82%

Contains: ~1.4% Dichloromethane

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



Philip Chan

Reviewed by



Neha Khanna

C of A Approved by



My Nguyen

Test Date

8/26/2019

Retest Date

8/24/2023