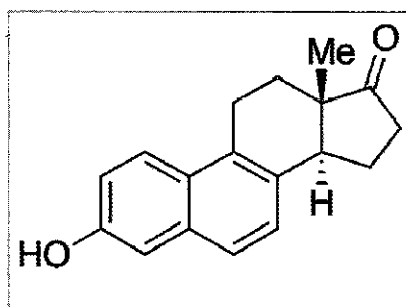


02.16 poz. 34

## CERTIFICATE OF ANALYSIS

**Catalogue Number:** E592400**CAS Number:** 517-09-9**Product:** Equilenin**Synonym:** 3-Hydroxyestra-1,3,5,7,9-pentaen-17-one; (+)-Equilenin; 3-Hydroxyestra-1,3,5(10),6,8-pentaen-17-one; E 400; Equilenine; NSC 9901; d-Equilenin;**Structure:****Molecular Formula:**C<sub>18</sub>H<sub>18</sub>O<sub>2</sub>**Molecular weight:**

266.33

**Source of Product:**

N/A

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 7-RTU-93-1**Purity:** 98%**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature**Storage Condition:** Refrigerator**2. Warning****Warning 1:** Not Determined**Warning 2:****Warning 3:****3. Analytical Information****Tests:**

Appearance

NMR

Elemental Analysis

MS

Specific Rotation

HPLC Purity

**Specifications:**

Pale Beige to Light Beige Solid

Conforms to Structure

Conforms

Conforms to Structure

Report Result

&gt;95%

**Results:**

Pale Beige Solid

Conforms

%C: 81.06, %H: 7.08

Conforms

+73.8° (c = 0.1, Methanol)

99.85%

**Additional Information:**TLC Conditions: SiO<sub>2</sub>; Ethyl Acetate : Hexanes = 1 : 1; Visualized with UV, AMCS, and KMnO<sub>4</sub>; Single Spot, R<sub>f</sub> = 0.60. Elemental Analysis: (Theoretical) %C: 81.17, %H: 6.81**Purity is based on the analytical results of the tests performed. NMR and TLC may have an accuracy +-2%. Isotopic purity is based on mass distribution observed.****4. Signatures****Reviewed By**

Xhoana Gjergji

**Reviewed By**

Neha Khanna

**C of A Approved By**

Clarissa Santos

cgs

**Test Date**

1/16/2019

**Retest Date**

1/14/2023