

Certificate of Analysis

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Product Name: Testosterone

Catalog No.: 2822

Batch No.: 1

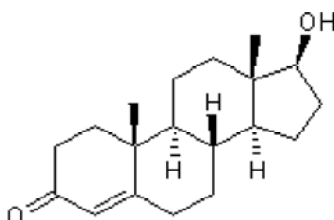
CAS Number: 58-22-0

EC Number: 200-370-5

IUPAC Name: (17 β)-17-Hydroxyandrost-4-en-3-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₈O₂
Batch Molecular Weight: 288.42
Physical Appearance: White crystalline solid
Solubility: DMSO to 100 mM
 ethanol to 25 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: Between 153 - 154°C
HPLC: Shows 99.6% purity
Mass Spectrum: Consistent with structure
Optical Rotation: [α]_D = +109.9 (Concentration = 1, Solvent = Ethanol)

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Batch No.: 1

CAS Number: 58-22-0

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IUPAC Name: (17 β)-17-Hydroxyandrost-4-en-3-one

Description:

Endogenous androgen receptor agonist.

Physical and Chemical Properties:

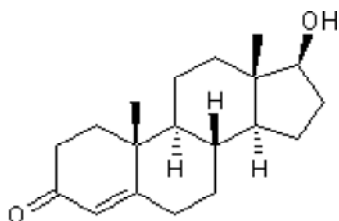
Batch Molecular Formula: C₁₉H₂₈O₂

Batch Molecular Weight: 288.42

Physical Appearance: White crystalline solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 25 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Other Information:

INFORMATION FOR CUSTOMERS IN THE UK ONLY

This product is a Schedule 4.2 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

INFORMATION FOR CUSTOMERS IN THE USA ONLY

This product is a Schedule III DEA controlled substance and customers in the USA are required to hold a controlled substance registration in order to purchase and possess this material (in accordance with Title 21 code of federal regulations part 1300 to end).

INFORMATION FOR CUSTOMERS IN CANADA ONLY

This product is a Schedule IV CDSA controlled substance and customers in Canada require an import permit to purchase this material.

References:

Hsieh and Ryan (2008) Novel concepts in androgen receptor blockade. *Cancer J.* **14** 11. PMID: 18303477.

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