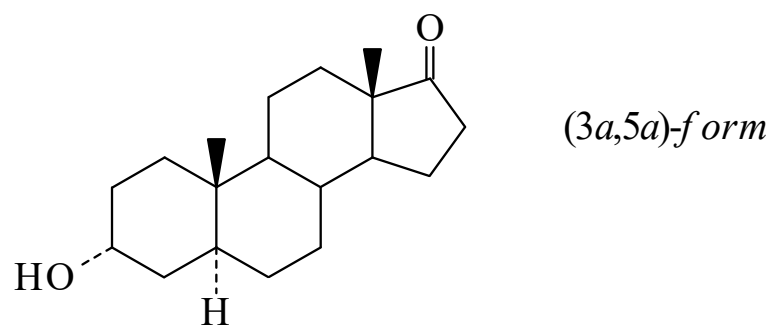




>>Entry Name: 3-Hydroxyandrostan-17-one, 9CI



Related CAS Registry Numbers(s): 4820-41-1 6891-37-8 20120-02-9 20120-07-4 20120-08-5 34864-66-9 52746-44-8 85848-91-5

Molecular Formula: C₁₉H₃₀O₂

Molecular Weight: 290.445

Accurate Mass: 290.22458

Percentage Composition: C 78.57%; H 10.41%; O 11.02%

>>Variant: (3α,5α)-form

Synonym(s): Androsterone. 3-Epihydroxyetioallocholan-17-one‡

CAS Registry Number: 53-41-8

Molecular Formula: C₁₉H₃₀O₂

Molecular Weight: 290.445

Accurate Mass: 290.22458

Percentage Composition: C 78.57%; H 10.41%; O 11.02%

Biological Source: Isol. from male urine; also found as glycosides

Use/Importance: Secondary sex hormone

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 185-185.5° (184-186°)

Optical Rotation: [α]_D²⁰ +94.6 (c, 0.7 in EtOH)

Calculated Log P Data: Log P 3.55 (uncertain value) (calc)

Other Data: Subl. under high vacuum

Aldrich: 21901-0

Fluka: 10350

Rare Chemicals Library: S36236-0

Sigma: A9185

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Cryst. (C₆H₆/CHCl₃)

Melting Point: Mp 233°

>>Derivative: Ac

CAS Registry Number: 1164-95-0

Molecular Formula: C₂₁H₃₂O₃

Molecular Weight: 332.482

Accurate Mass: 332.235145

Percentage Composition: C 75.86%; H 9.70%; O 14.44%

Physical Description: Prisms (EtOH aq.)

Melting Point: Mp 165-166°

Optical Rotation: [α]_D +87 (EtOH)

Sigma: A7633