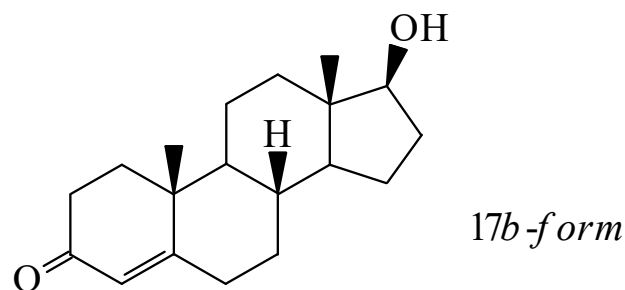




>>Entry Name: 17-Hydroxyandrost-4-en-3-one



Related CAS Registry Numbers(s): 1159-27-9 4069-10-7 6891-35-6 14958-66-8 14958-67-9

Molecular Formula: $C_{19}H_{28}O_2$

Molecular Weight: 288.429

Accurate Mass: 288.20893

Percentage Composition: C 79.12%; H 9.78%; O 11.09%

>>Variant: 17 α -form

Synonym(s): *epi*-Testosterone. Epitestosterone

CAS Registry Number: 481-30-1

Molecular Formula: $C_{19}H_{28}O_2$

Molecular Weight: 288.429

Accurate Mass: 288.20893

Percentage Composition: C 79.12%; H 9.78%; O 11.09%

Biological Source: Constit. of human urine

Biological Use/Importance: Androgen

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 220-221°

Optical Rotation: $[\alpha]_D +17$ (CHCl₃)

Sigma: E6882

>>Derivative: Ac

Molecular Formula: $C_{21}H_{30}O_3$

Molecular Weight: 330.466

Percentage Composition: C 76.33%; H 9.15%; O 14.52%

Physical Description: Cryst. (hexane)

Melting Point: Mp 116°

Optical Rotation: $[\alpha]_D +110$ (CHCl₃)

>>Variant: 17 β -form

Synonym(s): Testosterone, BAN, INN, USAN. Andropatch. Atmos. Many other names

CAS Registry Number: 58-22-0

Molecular Formula: $C_{19}H_{28}O_2$

Molecular Weight: 288.429

Accurate Mass: 288.20893

Percentage Composition: C 79.12%; H 9.78%; O 11.09%

Biological Source: Male sex hormone. Pheromone for domestic sheep and precocious male Atlantic salmon *Salmo salar*

Use/Importance: Androgen. Used in the treatment of male hypogonadism (transdermal administration)

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 155°

Optical Rotation: $[\alpha]_D +109$ (c, 4 in EtOH)

Hazard & Toxicity: Adverse effects reported when used therapeutically (and for ester derivatives). Exp. neoplastic agent. Human teratogen, exp. reprod. effects

Fluka: 86500

Sigma: T1268

>>Derivative: Ac

Synonym(s): Testosterone acetate. Aceto-Sterandryl. Aceto-Testoviron. Amolisin. Androtest A. Deposteron. Farmatest. Perandren. Perandrone A. Testiculosterone. Testolent