



>>Entry Name: 17-Hydroxyandrostane-3-one

Related CAS Registry Numbers(s): 5986-81-2 36027-75-5 68374-19-6

Molecular Formula: $C_{19}H_{30}O_2$

Molecular Weight: 290.445

Accurate Mass: 290.22458

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

>>Variant: (5 α ,17 α)-form

CAS Registry Number: 571-24-4

Molecular Formula: $C_{19}H_{30}O_2$

Molecular Weight: 290.445

Accurate Mass: 290.22458

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

Physical Description: Cryst. (MeOH) or needles (cyclohexane)

Melting Point: Mp 179.5-180°

Optical Rotation: $[\alpha]_D^{24} +12.8$ (c, 1.2 in $CHCl_3$)

>>Variant: (5 α ,17 β)-form

Synonym(s): Dihydrotestosterone. **Androstanolone**, INN. Stanolone, BAN. Anabolev. Androlone. **Neoprol**[†]. Stanaprol. Neodrol

CAS Registry Number: 521-18-6

Molecular Formula: $C_{19}H_{30}O_2$

Molecular Weight: 290.445

Accurate Mass: 290.22458

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

Biological Use/Importance: Androgen, anabolic steroid

Physical Description: Cryst. (EtOAc/hexane), (Me₂CO/petrol)

Melting Point: Mp 181°

Optical Rotation: $[\alpha]_D^{20} +32.4$ (c, 1.0 in EtOH)

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

Fluka: 10300

Sigma: A0809

>>Derivative: Oxime

CAS Registry Number: 2436-48-8

Molecular Formula: $C_{19}H_{31}NO_2$

Molecular Weight: 305.459

Accurate Mass: 305.235479

Percentage Composition: C 74.71%; H 10.23%; N 4.59%; O 10.48%

Physical Description: Plates (MeOH)

Melting Point: Mp 210°

>>Derivative: Z-Oxime (syn)

CAS Registry Number: 19534-54-4

Melting Point: Mp 218-219°

>>Derivative: E-Oxime (anti)

CAS Registry Number: 19522-38-4

Melting Point: Mp 218-219°

>>Derivative: Ac

CAS Registry Number: 1164-91-6

Physical Description: Needles (hexane)

Melting Point: Mp 158-160.5°