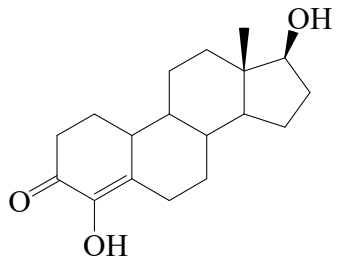
>>**Entry Name: 4,17-Dihydroxyestr-4-en-3-one,** 9CI



Molecular Formula: $C_{18}H_{26}O_3$
Molecular Weight: 290.402
Accurate Mass: 290.188195
Percentage Composition: C 74.45%; H 9.02%; O 16.53%
Other Data: Enol form of 3,4-dione

>>**Variant:** 17β-form
Synonym(s): 4-Hydroxy-19-nortestosterone. Oxabolone

CAS Registry Number: 4721-69-1

Molecular Formula: $C_{18}H_{26}O_3$
Molecular Weight: 290.402
Accurate Mass: 290.188195
Percentage Composition: C 74.45%; H 9.02%; O 16.53%
Biological Use/Importance: Anabolic steroid
Physical Description: Cryst. (petrol)
Melting Point: Mp 188-190°
Optical Rotation: $[\alpha]_D$ +50 ($CHCl_3$)

>>**Derivative:** 17-Ac

CAS Registry Number: 23463-07-2
Molecular Formula: $C_{20}H_{28}O_4$
Molecular Weight: 332.439
Accurate Mass: 332.19876
Percentage Composition: C 72.26%; H 8.49%; O 19.25%
Physical Description: Cryst. (EtOAc/hexane)
Melting Point: Mp 210-212°

>>**Derivative:** Di-Ac

CAS Registry Number: 76569-79-4
Molecular Formula: $C_{22}H_{30}O_5$
Molecular Weight: 374.476
Accurate Mass: 374.209325
Percentage Composition: C 70.56%; H 8.07%; O 21.36%
Melting Point: Mp 164-165°

>>**Derivative:** 17-Cyclopentanepropanoyl
Synonym(s): Oxabolone cipionate, INN, JAN. 17-(3-Cyclopentyl-1-oxopropoxy)-4-hydroxyestr-4-en-3-one. 4,17β-Dihydroxyestr-4-en-3-one 17-cyclopentanepropionate. FI 5852

CAS Registry Number: 1254-35-9

Molecular Formula: $C_{26}H_{38}O_4$
Molecular Weight: 414.584
Accurate Mass: 414.27701
Percentage Composition: C 75.33%; H 9.24%; O 15.44%
Use/Importance: Androgen, anabolic steroid
Melting Point: Mp 158-160°
Optical Rotation: $[\alpha]_D$ +38 (c, 1 in $CHCl_3$)
Calculated Log P Data: Log P 6.19 (uncertain value) (calc)

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