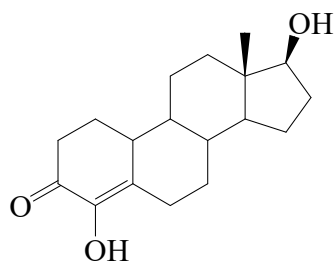




>>Entry Name: 4,17-Dihydroxyestr-4-en-3-one, 9CI



Molecular Formula: C₁₈H₂₆O₃

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: C₁₈H₂₆O₃

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: [α]_D +50 (CHCl₃)

>>Derivative: 17-Ac

CAS Registry Number: 23463-07-2

Molecular Formula: C₂₀H₂₈O₄

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: C₂₂H₃₀O₅

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: C₂₆H₃₈O₄

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: [α]_D +38 (c, 1 in CHCl₃)

Calculated Log P Data: Log P 6.19 (uncertain value) (calc)