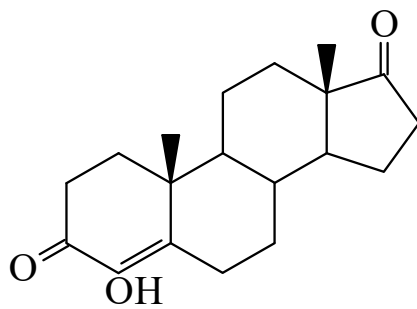




>>Entry Name: 4-Hydroxyandrost-4-ene-3,17-dione, 9CI
Synonym(s): Formestane, BAN, INN. Lentaron. CGP 32349



CAS Registry Number: 566-48-3

Molecular Formula: C₁₉H₂₆O₃
Molecular Weight: 302.413
Accurate Mass: 302.188195
Percentage Composition: C 75.46%; H 8.67%; O 15.87%

Use/Importance: Aromatase inhibitor; antineoplastic agent. Used in chemotherapy of estrogen-sensitive breast cancer

Physical Description: Needles (EtOAc/petrol)

Development Status: Launched 1993 (UK)

Melting Point: Mp 205-206°

Optical Rotation: [α]_D²⁰+181 (c, 7.7 in CHCl₃)

Calculated Log P Data: Log P 2.74 (uncertain value) (calc)

Sigma: A5791

>>Derivative: Ac

CAS Registry Number: 61630-32-8
Molecular Formula: C₂₁H₂₈O₄
Molecular Weight: 344.45
Accurate Mass: 344.19876
Percentage Composition: C 73.23%; H 8.19%; O 18.58%
Physical Description: Cryst. (EtOAc/petrol)
Melting Point: Mp 184°

Sigma: A9295

>>Derivative: Me ether

Synonym(s): 4-Methoxyandrost-4-ene-3,17-dione

CAS Registry Number: 20986-46-3

Molecular Formula: C₂₀H₂₈O₃
Molecular Weight: 316.439
Accurate Mass: 316.203845
Percentage Composition: C 75.91%; H 8.92%; O 15.17%
Physical Description: Cryst. (Et₂O)
Melting Point: Mp 136-138°
Optical Rotation: [α]_D²⁰+177 (c, 7.6 in CHCl₃)
Sigma: A2542

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