



>>>Variant: (3β,5α)-form

Synonym(s): Epiandrosterone. Isoandrosterone. 3-Hydroxyetioallocholan-17-one

CAS Registry Number: 481-29-8

Molecular Formula: C₁₉H₃₀O₂

Molecular Weight: 290.445

Accurate Mass: 290.22458

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

Biological Source: Wide occur., esp. in mammalian urine

Physical Description: Needles (CHCl₃/hexane)

Melting Point: Mp 176-177.5° (174-175°, 161-162°)

Optical Rotation: [α]_D²⁰+44.4 (c, 0.27 in CHCl₃)

Other Data: Musk like odour when hot

Aldrich: 23440-0

Fluka: 10360

Rare Chemicals Library: S36237-9

Sigma: E3375

>>>Derivative: Oxime

CAS Registry Number: 6030-66-6

Physical Description: Plates (MeOH)

Melting Point: Mp 194-196°

Optical Rotation: [α]_D²⁰+17.5 (c, 6.18 in CHCl₃)

>>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 224-225°

>>>Derivative: Ac

CAS Registry Number: 1239-31-2

Physical Description: Cryst (Et₂O) or stout prisms

Melting Point: Mp 115.5-117° (103-104°, 96-97°)

Optical Rotation: [α]_D²⁰+69 (CHCl₃)

Sigma: E3500

>>>Derivative: Me ether

CAS Registry Number: 7680-12-8

Physical Description: Cryst. (MeOH)

Melting Point: Mp 114-116°

Optical Rotation: [α]_D+82 (CHCl₃)

>>>Derivative: 3-(β-D-Glucuronopyranoside)

Melting Point: Mp 196-199°

>>>Variant: (3β,5β)-form

CAS Registry Number: 571-31-3

Molecular Formula: C₁₉H₃₀O₂

Molecular Weight: 290.445

Accurate Mass: 290.22458

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

Biological Source: Constit. of urine

Physical Description: Cryst. (petrol)

Melting Point: Mp 150-151°

Optical Rotation: [α]_D²⁰+93 (c, 1.72 in CHCl₃)

Aldrich: 28588-9

Sigma: E5251