



>>>Variant: (3β,5α)-form

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

**CAS Registry Number:** 481-29-8

**Molecular Formula:** C<sub>19</sub>H<sub>30</sub>O<sub>2</sub>

**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 (CHCl<sub>3</sub>/hexane)

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

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup>+44.4 (c, 0.27 in CHCl<sub>3</sub>)

**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]<sub>D</sub><sup>20</sup>+17.5 (c, 6.18 in CHCl<sub>3</sub>)

>>>Derivative: 2,4-Dinitrophenylhydrazone

**Melting Point:** Mp 224-225°

>>>Derivative: Ac

**CAS Registry Number:** 1239-31-2

**Physical Description:** Cryst (Et<sub>2</sub>O) or stout prisms

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

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup>+69 (CHCl<sub>3</sub>)

**Sigma:** E3500

>>>Derivative: Me ether

**CAS Registry Number:** 7680-12-8

**Physical Description:** Cryst. (MeOH)

**Melting Point:** Mp 114-116°

**Optical Rotation:** [α]<sub>D</sub>+82 (CHCl<sub>3</sub>)

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

**Melting Point:** Mp 196-199°

>>>Variant: (3β,5β)-form

**CAS Registry Number:** 571-31-3

**Molecular Formula:** C<sub>19</sub>H<sub>30</sub>O<sub>2</sub>

**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]<sub>D</sub><sup>20</sup>+93 (c, 1.72 in CHCl<sub>3</sub>)

**Aldrich:** 28588-9

**Sigma:** E5251