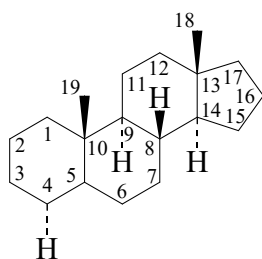




>>Entry Name: Androstane



5 α -form
Absolute
Configuration

Molecular Formula: C₁₉H₃₂

Molecular Weight: 260.462

Accurate Mass: 260.2504

Percentage Composition: C 87.62%; H 12.38%

General Statement: Parent hydrocarbon of an important group of hormonal steroids and basic nucleus of steroid structures. Config. always assumed to be (8 β ,9 α ,10 β ,13 β ,14 α) unless otherwise specified.

>>Variant: 5 α -form

Synonym(s): Etioallocholane (obsol.)

CAS Registry Number: 438-22-2

Molecular Formula: C₁₉H₃₂

Molecular Weight: 260.462

Accurate Mass: 260.2504

Percentage Composition: C 87.62%; H 12.38%

Physical Description: Leaflets (Me₂CO)

Melting Point: Mp 50-52° (46-47°)

Optical Rotation: [α]_D²⁰+1.32

Sigma: A0887

Supelco: R30-1165

>>Variant: 5 β -form

Synonym(s): Testane. Etiocholane

CAS Registry Number: 438-23-3

Molecular Formula: C₁₉H₃₂

Molecular Weight: 260.462

Accurate Mass: 260.2504

Percentage Composition: C 87.62%; H 12.38%

Physical Description: Cryst.

Melting Point: Mp 78-79°

Optical Rotation: [α]_D²⁵+2.03

>>Variant: (5 α ,14 β)-form

CAS Registry Number: 22511-92-8

Molecular Formula: C₁₉H₃₂

Molecular Weight: 260.462

Accurate Mass: 260.2504

Percentage Composition: C 87.62%; H 12.38%

Physical Description: Cryst.

Melting Point: Mp 50°

Optical Rotation: [α]_D²⁵+33.8

>>Variant: (5 β ,14 β)-form

CAS Registry Number: 13077-81-1

Molecular Formula: C₁₉H₃₂

Molecular Weight: 260.462

Accurate Mass: 260.2504

Percentage Composition: C 87.62%; H 12.38%

Physical Description: Cryst.

Melting Point: Mp 58-59°

Optical Rotation: [α]_D²⁵+31.9