



>>Entry Name: 3-Hydroxyandrost-5-ene-7,17-dione, 9CI
ENTRY UNDER REVIEW

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

>>Variant: 3β-form
Synonym(s): 7-Oxodehydroepiandrosterone

CAS Registry Number: 566-19-8

Molecular Formula: C₁₉H₂₆O₃
Molecular Weight: 302.413
Accurate Mass: 302.188195
Percentage Composition: C 75.46%; H 8.67%; O 15.87%
Source/Synthesis: Present in urine
Melting Point: Mp 248°
Optical Rotation: [α]_D −66 (MeOH)

>>Derivative: Ac

CAS Registry Number: 1449-61-2
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. (Me₂CO/hexane)
Melting Point: Mp 185-187°
Optical Rotation: [α]_D²⁵ −91.5 (CHCl₃)
Rare Chemicals Library: S29704-6

>>Derivative: 3-Sulfate

Melting Point: Mp 162-165° (as Na salt)

References:

Baulieu, E.E. *et al.*, *Experientia*, 1961, **17**, 110, (*sulfate*)
Bell, A.M. *et al.*, *J.C.S. Perkin 1*, 1975, 1364, (*synth, pmr*)
Crabb, T.A. *et al.*, *Tet. Lett.*, 1975, 3623, (*synth, pmr*)