



>> **Name: Androst-2-en-17-one**

Structure by analogy with Androst-1-ene-3,11-dione, [HHM30-K](#)

Molecular Formula: C₁₉H₂₈O

Molecular Weight: 272.43

Accurate Mass: 272.214015

Percentage Composition: C 83.77%; H 10.36%; O 5.87%

>>**Variant: 5 α -form**

CAS Registry Number: 963-75-7

Molecular Formula: C₁₉H₂₈O

Molecular Weight: 272.43

Accurate Mass: 272.214015

Percentage Composition: C 83.77%; H 10.36%; O 5.87%

Use/Importance: Metab. of Androsterone found in human urine

Physical Description: Cryst. (MeOH)

Melting Point: Mp 107-109° (105-106°)

Optical Rotation: [α]_D²³ +140 (CHCl₃)

>>**Variant: 5 β -form**

CAS Registry Number: 82467-84-3

Molecular Formula: C₁₉H₂₈O

Molecular Weight: 272.43

Accurate Mass: 272.214015

Percentage Composition: C 83.77%; H 10.36%; O 5.87%

Melting Point: Mp 112-114°

References:

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Hodge, P. *et al.*, *J.C.S. Perkin 1*, 1975, 809, (*synth*)

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