



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

Molecular Formula: C₁₉H₂₈O

Molecular Weight: 272.43

Accurate Mass: 272.214015

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

>>Variant: 5α-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: 5β-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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Gardi, R. *et al.*, *Gazz. Chim. Ital.*, 1962, **92**, 632, (*synth*)

Johns, W.F. *et al.*, *J.O.C.*, 1963, **28**, 1854, (*synth*)

Nagata, W. *et al.*, *Chem. Pharm. Bull.*, 1966, **14**, 174, (*synth*)

Bockova, H. *et al.*, *Coll. Czech. Chem. Comm.*, 1966, **31**, 3790, (*synth*)

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

Yamada, K. *et al.*, *J.O.C.*, 1978, **43**, 2076, (*synth*)

Bukovits, G.J. *et al.*, *Z. Naturforsch., B*, 1982, **37**, 386, (*synth*, 5β-form)

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D'Onafrio, F. *et al.*, *Synthesis*, 1985, 1159, (*synth*)

Maurer, H. *et al.*, *J. Chromatogr.*, 1988, **430**, 31, (*metab*)

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