



>> **Name: Androsta-3,5-diene-7,17-dione**

CAS Registry Number: 1420-49-1

Structure by analogy with Androsta-1,4-diene-3,16-dione, [CBN71-J](#)

Molecular Formula: C₁₉H₂₄O₂

Molecular Weight: 284.397

Accurate Mass: 284.17763

Percentage Composition: C 80.24%; H 8.51%; O 11.25%

Use/Importance: Potential postcoital contraceptive

Physical Description: Needles (Me₂CO aq.)

Melting Point: Mp 168-170°

Optical Rotation: [α]_D −301 (c, 1.75 in CHCl₃)

References:

Cambie, R.C. *et al.*, *J.C.S. Perkin I*, 1975, 323, (*synth*)

Jones, E.R.H. *et al.*, *J.C.S. Perkin I*, 1975, 2308, (*pmr*)

Weintraub, P.M. *et al.*, *J. Med. Chem.*, 1976, **19**, 1395, (*synth*)