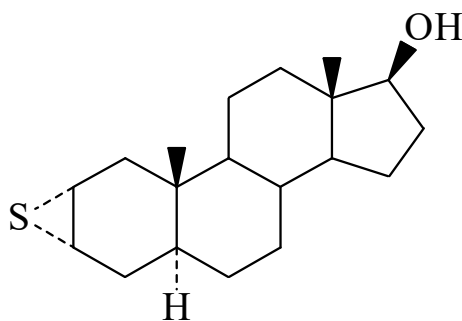




>>Entry Name: Epitiostanol, INN, JAN

Synonym(s): 2,3-Epithioandrostan-17-ol, 9Cl. Thiodrol. 10275 S. NSC 194684



CAS Registry Number: 2363-58-8

Type of Compound Code(s): AJ2450 XA1525 AJ3050 AJ0250 XA0700 XA1950 XA0500

Molecular Formula: C₁₉H₃₀OS

Molecular Weight: 306.511

Accurate Mass: 306.201735

Percentage Composition: C 74.45%; H 9.86%; O 5.22%; S 10.46%

Use/Importance: Antineoplastic agent; anabolic agent. Antiestrogen

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 127-128°

Optical Rotation: $[\alpha]_D^{27} +25.4$

Calculated Log P Data: Log P 4.36 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (mus, ipr) 1160 mg/kg. Exp. reprod. and teratogenic effects

References:

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Klimstra, P.D. *et al.*, *J. Med. Chem.*, 1966, **9**, 693, (*synth, pharmacol*)

Anon., *Drugs of Today (Barcelona)*, 1978, **14**, 274, (*rev, pharmacol, tox*)

Hori, T. *et al.*, *Prog. Cancer Res. Ther.*, 1978, **10**, 159, (*rev, pharmacol, tox, metab*)

Li, Z. *et al.*, *CA*, 1984, **100**, 139450, (*synth*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 1183

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, EBD500