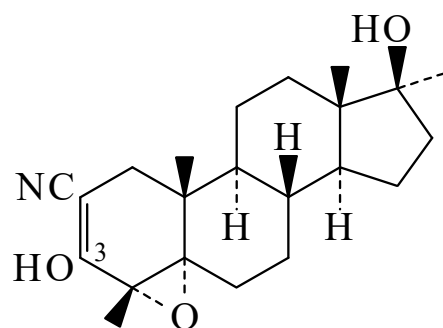




>>Entry Name: Epostane, BAN, INN, USAN

Synonym(s): 4,5-Epoxy-3,17-dihydroxy-4,17-dimethylandro-2-ene-2-carbonitrile, 9Cl. Win 32729



CAS Registry Number: 80471-63-2

Related CAS Registry Numbers(s): 71507-79-4

Type of Compound Code(s): XA3250 AJ0250

Molecular Formula: C₂₂H₃₁NO₃

Molecular Weight: 357.492

Accurate Mass: 357.230394

Percentage Composition: C 73.92%; H 8.74%; N 3.92%; O 13.43%

General Statement: Probably tautom. at 3-position as keto-enol forms

Use/Importance: Antiprogesterone; investigated for use as an abortifacient and to induce labour

Physical Description: Cryst. (DMF aq.)

Melting Point: Mp 191-194°

Calculated Log P Data: Log P 3.19 (uncertain value) (calc)

References:

Christianson, R.G. *et al.*, *J. Med. Chem.*, 1984, **27**, 928, (*synth, pharmacol*)

Birgerson, L. *et al.*, *Contraception*, 1986, **33**, 401, (*pharmacol*)

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Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 1364

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, EBH400; EBY100