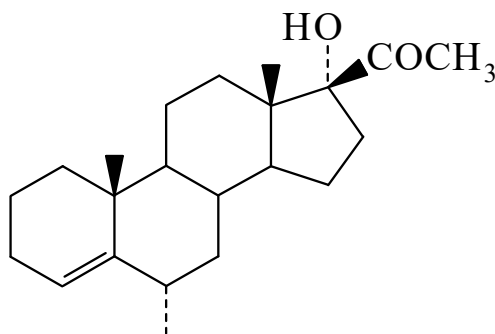




>>Entry Name: Anagestone, INN

Synonym(s): 17-Hydroxy-6-methylpregn-4-en-20-one, 9CI



CAS Registry Number: 2740-52-5

Molecular Formula: $C_{22}H_{34}O_2$

Molecular Weight: 330.509

Accurate Mass: 330.25588

Percentage Composition: C 79.95%; H 10.37%; O 9.68%

Use/Importance: Progestin

Physical Description: Cryst. (MeOH/CH₂Cl₂)

Development Status: No longer marketed

Melting Point: Mp 190-193°

Optical Rotation: $[\alpha]_D^{20} +51$ (CHCl₃)

Calculated Log P Data: Log P 6.01 (uncertain value) (calc)

Other Data: Stereochem. is 6 α ,17 α OH

>>Derivative: 17-Ac

Synonym(s): Anagestone acetate, USAN. Anapregnone. Anatropin. ORF 1658

CAS Registry Number: 3137-73-3

Molecular Formula: $C_{24}H_{36}O_3$

Molecular Weight: 372.547

Accurate Mass: 372.266445

Percentage Composition: C 77.38%; H 9.74%; O 12.88%

Use/Importance: Progestin

Physical Description: Cryst. (MeOH/CH₂Cl₂)

Melting Point: Mp 173-175°

Optical Rotation: $[\alpha]_D^{20} +24$ (CHCl₃)

Calculated Log P Data: Log P 6.54 (uncertain value) (calc)

Hazard & Toxicity: Has produced malignant neoplasms in dogs (in combination with Mestranol [HKW76-V](#))

References:

Belg. Pat., 1963, *Ortho*, 624 370; *CA*, **60**, 10764g, (*synth, pharmacol*)

Giles, R.C. *et al.*, *J. Natl. Cancer Inst.*, 1978, **60**, 1351, (*tox*)