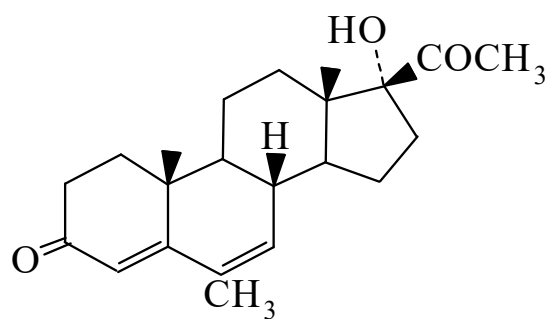




>>Entry Name: **Megestrol**, BAN, INN

Synonym(s): 17-Hydroxy-6-methylpregna-4,6-diene-3,20-dione. BDH 1298



Molecular Formula: C₂₂H₃₀O₃

Molecular Weight: 342.477

Accurate Mass: 342.219495

Percentage Composition: C 77.16%; H 8.83%; O 14.02%

Biological Use/Importance: Oral contraceptive, antineoplastic agent

Physical Description: Cryst.

Melting Point: Mp 203-204°

Optical Rotation: [α]_D²⁰ +42.6 (c, 1 in CHCl₃)

Calculated Log P Data: Log P 3.24 (uncertain value) (calc)

Other Data: Stereochem. is (17 α OH)

>>Derivative: Ac

Synonym(s): **Megestrol acetate**, JAN, USAN. Ovarid. Megace. Ovaban. NSC 71423. Many other names

CAS Registry Number: 595-33-5

Molecular Formula: C₂₄H₃₂O₄

Molecular Weight: 384.514

Accurate Mass: 384.23006

Percentage Composition: C 74.97%; H 8.39%; O 16.64%

Biological Use/Importance: Oral contraceptive, antineoplastic agent

Physical Description: Cryst. (MeOH aq.)

Development Status: Approved 1993

Melting Point: Mp 214-216°

Optical Rotation: [α]_D²⁴ +5 (c, 0.43 in CHCl₃). [α]_D +10 (c, 5 in CHCl₃)

Calculated Log P Data: Log P 3.78 (uncertain value) (calc)

Hazard & Toxicity: Poss. human carcinogen

Sigma: M0513

References:

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