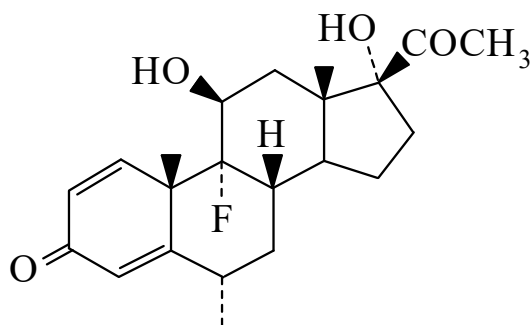




>>Entry Name: Fluorometholone, BAN, INN

Synonym(s): 9-Fluoro-11,17-dihydroxy-6-methylpregna-1,4-diene-3,20-dione. Cortilet. Delmeson. Efflumidex. Loticort. Oxylone. NSC 33001. Many other names



CAS Registry Number: 426-13-1

Molecular Formula: $C_{22}H_{29}FO_4$

Molecular Weight: 376.467

Accurate Mass: 376.204988

Percentage Composition: C 70.19%; H 7.76%; F 5.05%; O 17.00%

Use/Importance: Glucocorticoid. Antiinflammatory agent

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 292-303°

Calculated Log P Data: Log P 2.01 (uncertain value) (calc)

Other Data: Stereochem. is (6 α ,9 α ,11 β ,17 α OH)

Sigma: F9381

>>Derivative: 17-Ac

Synonym(s): Fluorometholone acetate, USAN. Omnitrol. U 17323

CAS Registry Number: 3801-06-7

Molecular Formula: $C_{24}H_{31}FO_5$

Molecular Weight: 418.504

Accurate Mass: 418.215553

Percentage Composition: C 68.88%; H 7.47%; F 4.54%; O 19.11%

Use/Importance: Glucocorticoid. Antiinflammatory agent

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 230-232°

Optical Rotation: $[\alpha]_D +50$ (Py)

Calculated Log P Data: Log P 2.55 (uncertain value) (calc)

References:

Stafford, R.O. *et al.*, *Proc. Soc. Exp. Biol. Med.*, 1959, **101**, 653, (*props*)

U.S. Pat., 1959, 2 867 638; *CA*, **53**, 9297, (*synth*)

Magerlein, B.J. *et al.*, *J.O.C.*, 1960, **25**, 1675, (*synth*)

U.K. Pat., 1962, 876 192; *CA*, **56**, 3548, (*synth*)

Toft, P. *et al.*, *Can. J. Pharm. Sci.*, 1972, **7**, 53, (*ms*)

Yamauchi, H. *et al.*, *Jpn. J. Pharmacol.*, 1979, **29**, 87, (*pharmacol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 6640, (*synonyms*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 732