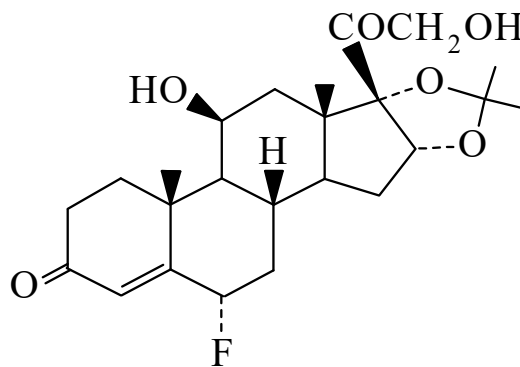




>>Entry Name: **Fludroxycortide**, INN

Synonym(s): 6-Fluoro-11,16,17,21-tetrahydroxypregn-4-ene-3,20-dione 16,17-acetonide. **Flurandrenolide**, USAN. Flurandrenolone, BAN. Fluoroandrenolone. Alondra F. Cordran. Drenison. Drocort. Haelan. Haldron F. Sermaka. L 33379. LT 86



CAS Registry Number: 1524-88-5

Molecular Formula: C₂₄H₃₃FO₆

Molecular Weight: 436.519

Accurate Mass: 436.226118

Percentage Composition: C 66.04%; H 7.62%; F 4.35%; O 21.99%

Use/Importance: Glucocorticoid. Antiinflammatory agent

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 247-255°

Optical Rotation: [α]_D +145 (CHCl₃)

Calculated Log P Data: Log P 0.82 (uncertain value) (calc)

Other Data: Stereochem. is (6 α ,11 β ,16 α ,17 α O)

Sigma: F1642

>>Derivative: 21-Ac

CAS Registry Number: 2802-11-1

Molecular Formula: C₂₆H₃₅FO₇

Molecular Weight: 478.557

Accurate Mass: 478.236683

Percentage Composition: C 65.26%; H 7.37%; F 3.97%; O 23.40%

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 261-263°

Optical Rotation: [α]_D +135 (CHCl₃)

>>Derivative: 11-Epimer

Physical Description: Cryst. (Me₂CO/hexane)

Melting Point: Mp 264-266°

Optical Rotation: [α]_D²³ +102 (CHCl₃)

>>Derivative: 11 α -Epimer, 21-Ac

Melting Point: Mp 293-295°

Optical Rotation: [α]_D +88 (CHCl₃)

References:

Ger. Pat., 1963, 1 131 213; *CA*, **58**, 10281, (*synth*)

U.S. Pat., 1963, 3 079 384; *CA*, **59**, 2911e, (6 α ,11 α ,16 α -form)

Iriarte, J. *et al.*, *Tetrahedron*, 1967, **23**, 121, (*uv, pmr*)

Child, K.J. *et al.*, *Arch. Dermatol.*, 1968, **97**, 407, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 733