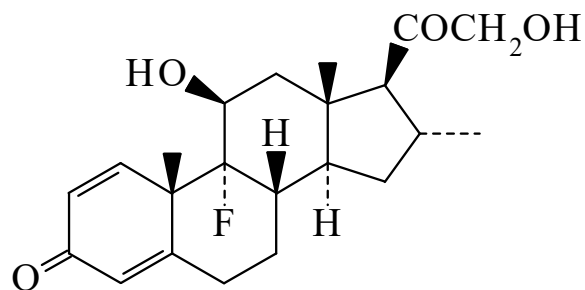




>>Entry Name: Desoximetasone, INN, USAN

Synonym(s): 9-Fluoro-11,21-dihydroxy-16-methylpregna-1,4-diene-3,20-dione, 9Cl. Desoxymethasone, BAN. Actiderm. Dermo-Hidrol. Esperson. Flubason. Ibaril. Indexon. Stiedex. Topicort. Topiderm. Topisolon. Hoe 304. R 2113



CAS Registry Number: 382-67-2

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. Topical antiinflammatory agent

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 217°

Optical Rotation: $[\alpha]_D +109$ (CHCl₃)

Calculated Log P Data: Log P 2.11 (uncertain value) (calc)

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

Sigma: D6038

References:

- Lukacs, G. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1972, **274**, 1458, (cmr)
Dupont, L. *et al.*, *Acta Cryst. B*, 1974, **30**, 514, (cryst struct)
Joly, R. *et al.*, *Arzneim.-Forsch.*, 1974, **24**, 1; 3, (synth, props)
Heel, R.C. *et al.*, *Drugs*, 1978, **16**, 302, (rev, pharmacol)
Hornke, I. *et al.*, *Arzneim.-Forsch.*, 1980, **30**, 47, (metab)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 727
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DBA875