



Molecular Weight: 410.457
Accurate Mass: 410.190481
Percentage Composition: C 64.38%; H 6.88%; F 9.26%; O 19.49%
Biological Source: Obt. from the corresponding 4-ene-3,20-dione by incubation with *Nocardia opaca*
Use/Importance: Glucocorticoid. Antiinflammatory and antiallergic agent
Physical Description: Cryst. (MeOH)
Calculated Log P Data: Log P 0.88 (uncertain value) (calc)

>>**Derivative:** 17,21-Di-Ac

Synonym(s): Diflorasone diacetate, JAN, USAN. Bexilona. Diacort. Difral. Florone. Flurone. Maxiflor. Murode. Sparcort. Surfone. U 34865

CAS Registry Number: 33564-31-7

Molecular Formula: C₂₆H₃₂F₂O₇
Molecular Weight: 494.531
Accurate Mass: 494.211611
Percentage Composition: C 63.15%; H 6.52%; F 7.68%; O 22.65%
Use/Importance: Topical antiinflammatory agent
Physical Description: Cryst. (Me₂CO/MeOH)
Melting Point: Mp 221-223 dec.°
Optical Rotation: [α]_D +61 (CHCl₃)
Calculated Log P Data: Log P 1.95 (uncertain value) (calc)

Sigma: D8286

References:

- Edwards, J.A. *et al.*, *J.A.C.S.*, 1959, **81**, 3156; 1960, **82**, 2318, (*synth*)
U.K. Pat., 1959, 881 334; *CA*, **56**, 15585, (*synth, pharmacol*)
Desaulles, P.A. *et al.*, *Steroids*, 1965, **6**, 339, (*deriv*)
Ger. Pat., 1973, 2 308 731; *CA*, **79**, 146739a, (*synth, pharmacol*)
Bluefarb, S.M. *et al.*, *J. Int. Med. Res.*, 1976, **4**, 454
Hammarstrom, S. *et al.*, *Science (Washington, D.C.)*, 1977, **197**, 994, (*pharmacol*)
Wickrema, S. *et al.*, *J. Invest. Dermatol.*, 1978, **71**, 372, (*pharmacol*)
Moore, A.F., *Drugs of Today (Barcelona)*, 1979, **15**, 445, (*rev, diacetate*)
Joseph-Nathan, P. *et al.*, *Spectrochim. Acta A*, 1984, **40**, 347, (*F-19 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 6610; 7572
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 731
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DKF125; FDD075