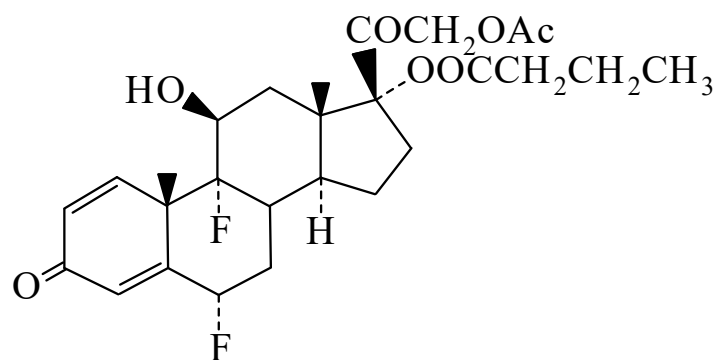




>>Entry Name: Difluprednate, INN, USAN

Synonym(s): 21-(Acetyloxy)-6,9-difluoro-11-hydroxy-17-(1-oxobutoxy)pregna-1,4-diene-3,20-dione, 9Cl. 6,9-Difluoro-11,17,21-trihydroxypregna-1,4-diene-3,20-dione 21-acetate 17-butyrate, 8Cl. Epitopic. CM 9155. W 6309



CAS Registry Number: 23674-86-4

Molecular Formula:  $C_{27}H_{34}F_2O_7$

Molecular Weight: 508.558

Accurate Mass: 508.227261

Percentage Composition: C 63.77%; H 6.74%; F 7.47%; O 22.02%

Use/Importance: Glucocorticoid. Antiinflammatory agent

Physical Description: Cryst. ( $CH_2Cl_2/Et_2O$ /petrol)

Melting Point: Mp 191-194°

Optical Rotation:  $[\alpha]_D^{22} +31.7$  (c, 0.5 in dioxan)

Calculated Log P Data: Log P 2.49 (uncertain value) (calc)

Other Data: Stereochem is (6 $\alpha$ ,11 $\beta$ ,17 $\alpha$ butyrate)

Sigma: D6288

#### References:

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Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 730

Lewis, R.J., Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, DKJ300