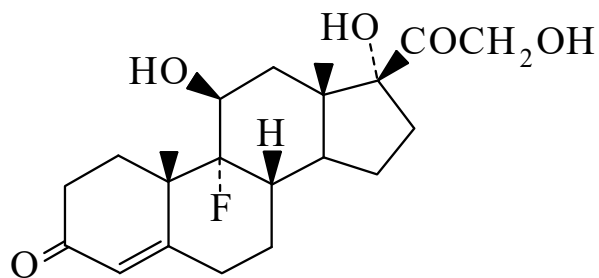




>>Entry Name: **Fludrocortisone**, BAN, INN, USAN

Synonym(s): 9-Fluoro-11,17,21-trihydroxypregn-4-ene-3,20-dione. 9-Fluorohydrocortisone. Alflorone. Astonin H. Corti 9. Florinef. Fludrocortone. Fludrone. Fluocortisol. Fluohydrisone. Fluorocortisol. StC 1400



CAS Registry Number: 127-31-1

Related CAS Registry Numbers(s): 432-40-6 2968-91-4

Molecular Formula: C₂₁H₂₉FO₅

Molecular Weight: 380.455

Accurate Mass: 380.199903

Percentage Composition: C 66.30%; H 7.68%; F 4.99%; O 21.03%

Biological Use/Importance: Corticosteroid, mineralocorticoid

Physical Description: Cryst. (EtOH)

Melting Point: Mp 260-262 dec.°

Optical Rotation: [α]_D²³+139 (c, 0.55 in EtOH)

Calculated Log P Data: Log P 0.38 (uncertain value) (calc)

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

Sigma: F6125

>>Derivative: 11-Ac

CAS Registry Number: 16376-32-2

Molecular Formula: C₂₃H₃₁FO₆

Molecular Weight: 422.493

Accurate Mass: 422.210468

Percentage Composition: C 65.39%; H 7.40%; F 4.50%; O 22.72%

Physical Description: Cryst. (Me₂CO/petrol)

Melting Point: Mp 224-227°

Optical Rotation: [α]_D +150 (c, 1 in CHCl₃)

>>Derivative: 17-Ac

CAS Registry Number: 3825-42-1

Molecular Formula: C₂₃H₃₁FO₆

Molecular Weight: 422.493

Accurate Mass: 422.210468

Percentage Composition: C 65.39%; H 7.40%; F 4.50%; O 22.72%

Melting Point: Mp 251-254°

Optical Rotation: [α]_D²²+50 (c, 0.5 in dioxan)

>>Derivative: 21-Ac

Synonym(s): **Fludrocortisone acetate**, BAN, INN, USAN. Alflorone acetate. Cortineff. Florinef acetate

CAS Registry Number: 514-36-3

Molecular Formula: C₂₃H₃₁FO₆

Molecular Weight: 422.493

Accurate Mass: 422.210468

Percentage Composition: C 65.39%; H 7.40%; F 4.50%; O 22.72%

Biological Use/Importance: Antiinflammatory agent, salt-regulating adrenocortical steroid

Physical Description: Polymorphic cryst. (EtOAc)

Melting Point: Mp 205-208 and 226-228°° (double Mp). Mp 233-234°

Optical Rotation: [α]_D +151 (c, 1 in CHCl₃)

Calculated Log P Data: Log P 0.92 (uncertain value) (calc)

Sigma: F6127