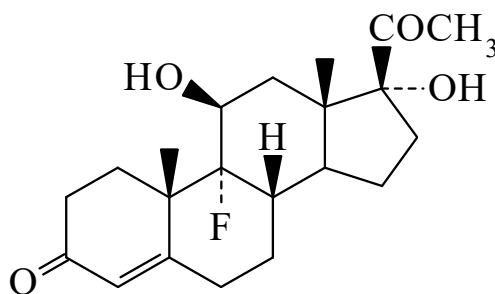




>>Entry Name: Flugestone, BAN, INN

Synonym(s): 9-Fluoro-11,17-dihydroxypregn-4-ene-3,20-dione. 9-Fluoro-11,17-dihydroxyprogesterone. Fluorogestone



CAS Registry Number: 337-03-1

Molecular Formula: $C_{21}H_{29}FO_4$

Molecular Weight: 364.456

Accurate Mass: 364.204988

Percentage Composition: C 69.21%; H 8.02%; F 5.21%; O 17.56%

Use/Importance: Progestational steroid

Physical Description: Cryst. (MeOH)

Melting Point: Mp 274-276°

Optical Rotation: $[\alpha]_D^{23} +136$ (c, 0.3 in dioxan)

Calculated Log P Data: Log P 0.91 (uncertain value) (calc)

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

>>Derivative: 17-Ac

Synonym(s): Flugestone acetate, BAN, INN. Flurogestone acetate, USAN. Chronogest. Cronolone. Gyncro-Mate. FGA. NSC 65411. SC 9880

CAS Registry Number: 2529-45-5

Molecular Formula: $C_{23}H_{31}FO_5$

Molecular Weight: 406.493

Accurate Mass: 406.215553

Percentage Composition: C 67.96%; H 7.69%; F 4.67%; O 19.68%

Use/Importance: Progestogen

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 266-269°

Optical Rotation: $[\alpha]_D +77.6$ (CHCl₃)

Calculated Log P Data: Log P 1.44 (uncertain value) (calc)

>>Derivative: Di-Ac

Molecular Formula: $C_{25}H_{33}FO_6$

Molecular Weight: 448.53

Accurate Mass: 448.226118

Percentage Composition: C 66.95%; H 7.42%; F 4.24%; O 21.40%

Melting Point: Mp 277-282°

References:

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