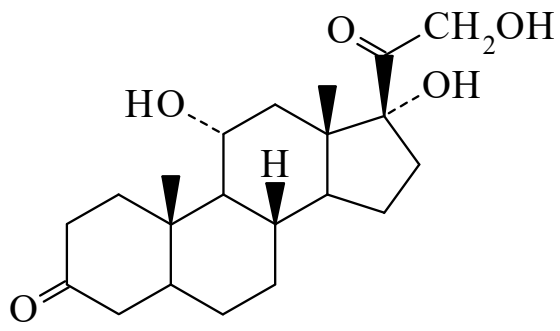
>>**Entry Name: 11,17,21-Trihydroxypregnane-3,20-dione,** 9CI



Molecular Formula: $C_{21}H_{32}O_5$
Molecular Weight: 364.481
Accurate Mass: 364.224975
Percentage Composition: C 69.20%; H 8.85%; O 21.95%

>>**Variant:** (5α,11α)-form

Molecular Formula: $C_{21}H_{32}O_5$
Molecular Weight: 364.481
Accurate Mass: 364.224975
Percentage Composition: C 69.20%; H 8.85%; O 21.95%
Source/Synthesis: Obt. by incubation of 17,21-dihydroxypregn-4-ene-3,20-dione with *Rhizopus nigricans*
Physical Description: Cryst. (Me_2CO)
Melting Point: Mp 228-230°

>>**Derivative:** 21-Ac

Molecular Formula: $C_{23}H_{34}O_6$
Molecular Weight: 406.518
Accurate Mass: 406.23554
Percentage Composition: C 67.96%; H 8.43%; O 23.61%
Physical Description: Cryst. (Me_2CO/hexane)
Melting Point: Mp 195-197°
Optical Rotation: $[\alpha]_D^{20}$+50 ($CHCl_3$)

>>**Derivative:** 11,21-Di-Ac

Molecular Formula: $C_{25}H_{36}O_7$
Molecular Weight: 448.555
Accurate Mass: 448.246105
Percentage Composition: C 66.94%; H 8.09%; O 24.97%
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 196-199°
Optical Rotation: $[\alpha]_D$ +48 ($CHCl_3$)

>>**Variant:** (5α,11β)-form
Synonym(s): 5α-Dihydrocortisol. Hydrallostane
CAS Registry Number: 516-41-6

Molecular Formula: $C_{21}H_{32}O_5$
Molecular Weight: 364.481
Accurate Mass: 364.224975
Percentage Composition: C 69.20%; H 8.85%; O 21.95%
Biological Source: Constit. of hog and beef adrenals
Physical Description: Cryst. (MeOH)
Melting Point: Mp 234-240°
Optical Rotation: $[\alpha]_D$ +63 (dioxan)
Sigma: P9646

>>**Derivative:** 17-Ac

Molecular Formula: $C_{23}H_{34}O_6$
Molecular Weight: 406.518
Accurate Mass: 406.23554
Percentage Composition: C 67.96%; H 8.43%; O 23.61%
Melting Point: Mp 210-213°
Optical Rotation: [α]