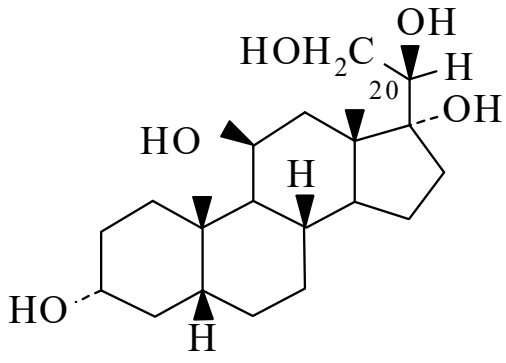
>>**Entry Name: Cortol**
Synonym(s): 5β-Pregnane-3α,11β,17α,20,21-pentol



(20*R*)-*form*

Molecular Formula: $C_{21}H_{36}O_5$
Molecular Weight: 368.512
Accurate Mass: 368.256275
Percentage Composition: C 68.45%; H 9.85%; O 21.71%

>>**Variant:** (20*R*)-form
Synonym(s): β-Cortol
CAS Registry Number: 667-65-2

Molecular Formula: $C_{21}H_{36}O_5$
Molecular Weight: 368.512
Accurate Mass: 368.256275
Percentage Composition: C 68.45%; H 9.85%; O 21.71%
Biological Source: Constit. of human urine
Physical Description: Cryst. (MeOH/EtOAc)
Melting Point: Mp 266-269°
Optical Rotation: $[\alpha]_D^{25}$+33.3 (EtOH)
Sigma: C3882

>>**Variant:** (20*S*)-form
Synonym(s): α-Cortol

CAS Registry Number: 516-38-1

Molecular Formula: $C_{21}H_{36}O_5$
Molecular Weight: 368.512
Accurate Mass: 368.256275
Percentage Composition: C 68.45%; H 9.85%; O 21.71%
Biological Source: Constit. of human urine
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 250.5-254°
Optical Rotation: $[\alpha]_D^{26}$+23.7 (EtOH)
Sigma: C5006

>>**Derivative:** 3,20,21-Tri-Ac
Physical Description: Cryst. (C_6H_6/cyclohexane)
Melting Point: Mp 168-170°
Optical Rotation: $[\alpha]_D^{20}$0

References:

Sarett, L.H. *et al.*, *J.A.C.S.*, 1949, **71**, 1169; 1951, **73**, 1777, *(synth)*
Fukushima, D.K. *et al.*, *J. Biol. Chem.*, 1955, **212**, 449, *(isol)*
Schneider, J.L. *et al.*, *J.A.C.S.*, 1955, **77**, 4184, *(isol)*