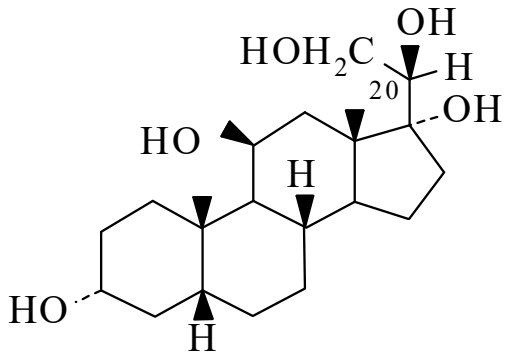
>>**Entry Name: Cortol**
**Synonym(s):** 5β-Pregnane-3α,11β,17α,20,21-pentol




(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)*