Molecular Weight: 476.609
Accurate Mass: 476.277405
Percentage Composition: C 68.04%; H 8.46%; O 23.50%
Physical Description: Cryst. (Me_2CO/petrol)
Melting Point: Mp 187-189°
Optical Rotation: $[\alpha]_D^{24}$+88 (c, 1 in MeOH)

>>**Variant:** (3α,5β,11β)-form
Synonym(s): Tetrahydrocorticosterone

CAS Registry Number: 68-42-8

Molecular Formula: $C_{21}H_{34}O_4$
Molecular Weight: 350.497
Accurate Mass: 350.24571
Percentage Composition: C 71.96%; H 9.78%; O 18.26%
Biological Source: Present in urine
Physical Description: Amorph., losing solv. to give fine tetragonal prisms (Et_2O/petrol)
Melting Point: Mp 70-90° (amorph.). Mp 156-158° (cryst.)
Optical Rotation: $[\alpha]_D^{25}$+114 (MeOH). $[\alpha]_D^{24}$+133 (c, 1 in MeOH)
Sigma: T2875

>>**Variant:** (3β,5α,11α)-form

Molecular Formula: $C_{21}H_{34}O_4$
Molecular Weight: 350.497
Accurate Mass: 350.24571
Percentage Composition: C 71.96%; H 9.78%; O 18.26%

>>**Derivative:** 11-Ac

Physical Description: Cryst. (Et_2O/hexane)
Melting Point: Mp 230-236°
Optical Rotation: $[\alpha]_D$ +27

>>**Variant:** (3β,5α,11β)-form
Synonym(s): Reichstein's Substance R

CAS Registry Number: 516-16-5

Molecular Formula: $C_{21}H_{34}O_4$
Molecular Weight: 350.497
Accurate Mass: 350.24571
Percentage Composition: C 71.96%; H 9.78%; O 18.26%
Biological Source: Constit. of extract of adrenal cortex
Physical Description: Needles (EtOH)
Melting Point: Mp 202-204°
Optical Rotation: $[\alpha]_D$ +110 (EtOH)
Sigma: P0391

>>**Derivative:** 21-Ac

Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 190-192°
Optical Rotation: $[\alpha]_D^{20}$+107 (Me_2CO)

>>**Derivative:** 3,21-Di-Ac

Molecular Formula: $C_{25}H_{38}O_6$
Molecular Weight: 434.572
Accurate Mass: 434.26684
Percentage Composition: C 69.10%; H 8.81%; O 22.09%
Melting Point: Mp 172-174°
Optical Rotation: $[\alpha]_D^{22}$+82.5 (c, 1.308 in dioxan). $[\alpha]_D^{20}$+101 (Me_2CO)