



Percentage Composition: C 76.33%; H 9.15%; O 14.52%

Biological Use/Importance: Androgen

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 140-141°

Optical Rotation: [α]_D²⁰ +87.8 (EtOH)

Fluka: 86510

Sigma: T1625

>>**Derivative:** 17-Chloral hemiacetal

Synonym(s): 17 β -(2,2,2-Trichloro-1-hydroxyethoxy)androst-4-en-3-one, 9Cl. **Cloxotestosterone**, INN

CAS Registry Number: 53608-96-1

Molecular Formula: C₂₁H₂₉Cl₃O₃

Molecular Weight: 435.816

Accurate Mass: 434.118226

Percentage Composition: C 57.88%; H 6.71%; Cl 24.40%; O 11.01%

Biological Use/Importance: Androgen

Physical Description: Cryst. (EtOAc)

Development Status: No longer marketed

Melting Point: Mp 200-201°

Calculated Log P Data: Log P 5.35 (uncertain value) (calc)

>>**Derivative:** 17-Chloral hemiacetal, Ac

Synonym(s): Caprosem

CAS Registry Number: 13867-82-8

Molecular Formula: C₂₃H₃₁Cl₃O₄

Molecular Weight: 477.854

Accurate Mass: 476.128791

Percentage Composition: C 57.81%; H 6.54%; Cl 22.26%; O 13.39%

Biological Use/Importance: Androgen

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 192-193°

Calculated Log P Data: Log P 5.89 (uncertain value) (calc)

>>**Derivative:** 17-Cyclohexanecarboxylate

Synonym(s): **Testosterone hexahydrobenzoate**. Many other names

CAS Registry Number: 14191-92-5

Molecular Formula: C₂₆H₃₈O₃

Molecular Weight: 398.584

Accurate Mass: 398.282095

Percentage Composition: C 78.35%; H 9.61%; O 12.04%

Biological Use/Importance: Depot-androgen

Melting Point: Mp 126-128°

Optical Rotation: [α]_D +8.8

Calculated Log P Data: Log P 6.2 (uncertain value) (calc)

>>**Derivative:** 17-Cyclohexanemethoxycarboxylate

Synonym(s): **Testosterone hexahydrobenzyl carbonate**. Testosterone cyclohexylmethylcarbonate. Lontanyl

CAS Registry Number: 2697-92-9

Molecular Formula: C₂₇H₄₀O₄

Molecular Weight: 428.611

Accurate Mass: 428.29266

Percentage Composition: C 75.66%; H 9.41%; O 14.93%

Biological Use/Importance: Depot-androgen

Optical Rotation: [α]_D²⁰ +83 (c, 0.6 in EtOH)

Calculated Log P Data: Log P 6.74 (uncertain value) (calc)

>>**Derivative:** 17-Propanoyl

Synonym(s): 17-(1-Oxopropoxy)androst-4-en-3-one, 9Cl. **Testosterone propionate**, BAN, USAN. Agrovirin. Propionyltestosterone. Synandrol. NSC 9166. Many other names