



CAS Registry Number: 57-85-2

Molecular Formula: $C_{22}H_{32}O_3$

Molecular Weight: 344.493

Accurate Mass: 344.235145

Percentage Composition: C 76.70%; H 9.36%; O 13.93%

Biological Use/Importance: Androgen. Antitumour agent

Physical Description: Stout prisms (EtOH aq.)

Melting Point: Mp 118-122°

Optical Rotation: $[\alpha]_D^{25} +90$ (dioxan)

Calculated Log P Data: Log P 4.69 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 1000 mg/kg. Exp. neoplastic agent. Human (male and female) and exp. reprod. effects

Fluka: 86540

Sigma: T3665

>>Derivative: 17-(2-Methylpropanoyl)

Synonym(s): **Testosterone isobutyrate**. Agovirin-Depot. Perandren M. Testocryst. Virex-cryst

CAS Registry Number: 1169-49-9

Molecular Formula: $C_{23}H_{34}O_3$

Molecular Weight: 358.52

Accurate Mass: 358.250795

Percentage Composition: C 77.05%; H 9.56%; O 13.39%

Biological Use/Importance: Depot-androgen

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 134-136°

Calculated Log P Data: Log P 5 (uncertain value) (calc)

>>Derivative: 17-(3-Cyclopentylpropanoyl)

Synonym(s): **Testosterone cypionate**. Testosterone cyclopentylpropionate. Many other names

CAS Registry Number: 58-20-8

Molecular Formula: $C_{27}H_{40}O_3$

Molecular Weight: 412.611

Accurate Mass: 412.297745

Percentage Composition: C 78.60%; H 9.77%; O 11.63%

Biological Use/Importance: Androgen

Melting Point: Mp 101-102°

Optical Rotation: $[\alpha]_D^{25} +87$ (CHCl₃)

Calculated Log P Data: Log P 6.79 (uncertain value) (calc)

Hazard & Toxicity: Exp. reprod. effects

Sigma: T3415

>>Derivative: 17-(3-Cyclohexylpropanoyl)

Synonym(s): **Testosterone cyclohexylpropionate**. Andromar. Femolone. Telipex Retard

CAS Registry Number: 2034-94-8

Molecular Formula: $C_{28}H_{42}O_3$

Molecular Weight: 426.638

Accurate Mass: 426.313395

Percentage Composition: C 78.83%; H 9.92%; O 11.25%

Biological Use/Importance: Depot-androgen

Melting Point: Mp 74.5-76°

Optical Rotation: $[\alpha]_D^{25} +74.9$ (dioxan)

Calculated Log P Data: Log P 7.34 (uncertain value) (calc)