



Biological Use/Importance: Androgen

Melting Point: Mp 82-84.5°

Optical Rotation: $[\alpha]_D^{25} +82.3$ (dioxan)

Calculated Log P Data: Log P 6.15 (uncertain value) (calc)

Sigma: T6166

>>Derivative: 17-Heptanoyl

Synonym(s): **Testosterone enanthate**, BAN, USAN. Testosterone heptanoate. Testostroval. Delatestryl. NSC 17591. Many other names

CAS Registry Number: 315-37-7

Molecular Formula: C₂₆H₄₀O₃

Molecular Weight: 400.6

Accurate Mass: 400.297745

Percentage Composition: C 77.95%; H 10.06%; O 11.98%

Biological Use/Importance: Androgen

Melting Point: Mp 36-37.5°

Calculated Log P Data: Log P 6.81 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) 2000 mg/kg. Human and exp. reprod. effects. Exp. teratogen

Sigma: T3540

>>Derivative: 17-Heptanoyl, 3-benziloylhydrazone

Synonym(s): **Testosterone enanthate benziloylhydrazone**

CAS Registry Number: 18625-33-7

Molecular Formula: C₄₀H₅₂N₂O₄

Molecular Weight: 624.862

Accurate Mass: 624.392708

Percentage Composition: C 76.89%; H 8.39%; N 4.48%; O 10.24%

Biological Use/Importance: Depot-androgen

Melting Point: Mp 108-110°

Optical Rotation: $[\alpha]_D +156$ (EtOH)

>>Derivative: 17-Decanoyl

Synonym(s): **Testosterone decanoate**, BAN

CAS Registry Number: 5721-91-5

Molecular Formula: C₂₉H₄₆O₃

Molecular Weight: 442.681

Accurate Mass: 442.344695

Percentage Composition: C 78.68%; H 10.47%; O 10.84%

Biological Use/Importance: Depot-androgen

Physical Description: Cryst. (MeOH)

Melting Point: Mp 55-57°

Calculated Log P Data: Log P 8.4 (uncertain value) (calc)

Sigma: T6041

>>Derivative: 17-Undecanoyl

Synonym(s): **Testosterone undecanoate**, BAN. Andriol. Androxon. Panteston. Restandol. Undestor

CAS Registry Number: 5949-44-0

Molecular Formula: C₃₀H₄₈O₃

Molecular Weight: 456.707

Accurate Mass: 456.360345

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Biological Use/Importance: Depot-androgen

Calculated Log P Data: Log P 8.93 (uncertain value) (calc)