



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: $C_{26}H_{40}O_3$
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: $C_{40}H_{52}N_2O_4$
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: $C_{29}H_{46}O_3$
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: $C_{30}H_{48}O_3$
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)