

Product Data Sheet

Product Name: Testosterone

Cat. No.: GC45935

Chemical Properties

Cas. No. 58-22-0

SMILES O[C@H]1CC[C@@]2([H])[C@]3([H])CCC4=CC(CC[C@]4(C)[C@@]3([H])CC[C@@]21C)=O

Formula $C_{19}H_{28}O_2$ M.Wt 288.4

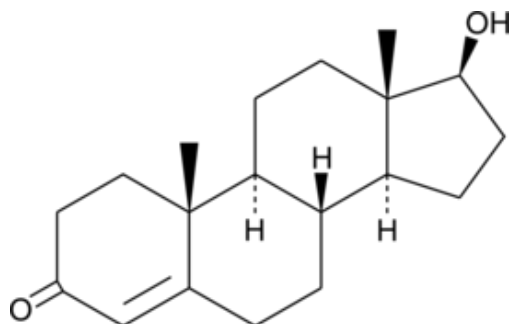
Solubility DMSO: 45 mg/ml; Acetonitrile: 1 mg/ml, Ethanol: >100mg/ml, Methanol: 1 mg/ml

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Testosterone is an analytical reference material categorized as an anabolic androgenic steroid.¹ Anabolic steroids, including testosterone, have been used to enhance physical performance in athletes. Testosterone is regulated as a Schedule III compound in the United States. This product is intended for research and forensic applications.

[1. Rane, A., and Ekström, L. Androgens and doping tests: Genetic variation and pit-falls. Br. J. Clin. Pharmacol. 74(1), 3-15 (2012).

Caution: Product has not been fully validated for medical applications. For research use only.

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