

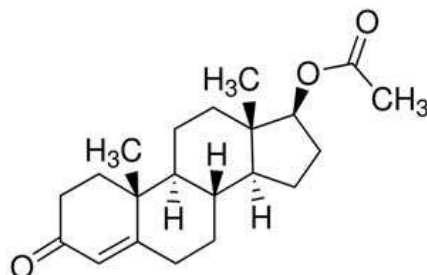
Testosterone Propionate

Testosterone propionate Injection, USP

DIN: 00086689

200 mg/2mL 1000 mg/10 mL

10 mL Multiple-Dose, Cartons of 1 vial



Systematic Name: [(8R,9S,10R,13S,14S,17S)-10,13-dimethyl-3-oxo-1,2,6,7,8,9,11,12,14,15,16,17-dodecahydrocyclopenta [a]phenanthren-17-yl] propanoate

DESCRIPTION

Testosterone propionate Injection, USP, for Intramuscular Injection, contains testosterone propionate which is the oil-soluble 17β-yl propanoate ester of the androgenic hormone testosterone. Testosterone propionate is white or almost white powder or colourless crystals. It is practically insoluble in water, freely soluble in acetone and in alcohol, soluble in fatty oils. Testosterone-Propionate was one of the first anabolic/ androgenic steroids ever synthesized and made ready for human use in mass production. It is also one of the most popular anabolic steroids of all time. While there are hundreds of anabolic steroids and forms within each, Testosterone-Propionate is largely one of the easiest to understand as it possesses a very basic composition of a simply pure testosterone. However, as simple as it is, it further remains very powerful and highly effective, yet many understand Testosterone-Propionate as well as they understand the most basic algorithms used in space exploration. Testosterone-Propionate is pure testosterone, a very versatile anabolic hormone; furthermore, most who use it find it very easy to control. While all testosterone forms are comprised of the same identical active hormone because the Propionate version is so fast acting and short lived due to its very nature, it is perhaps the most controllable testosterone available with stability and peak levels being very easy to maximize and held in an efficient manner. Testosterone Propionate is highly anabolic and androgenic equal in both rights. As by its nature, it is simply a synthetic version of the testosterone hormone naturally produced in the human body by both men and women and essential to a properly functioning endocrine system. Low levels of testosterone has negative side-effects such as increased body-fat, decreased muscle tissue and strength, depression, anxiety, disorders, etc. Furthermore, because testosterone contributes to sexual function, when

levels are too low many men experience a decrease in libido, erectile dysfunction, as well as lack of mental focus, energy and even the onset of depression. Testosterone Propionate dramatically increases nitrogen retention in the muscle allowing protein to be stored in the muscle to a larger degree. As protein is the building block of muscle and increased lean tissue, it improves our metabolic rate. As by its mode of action, testosterone has the ability to block and reduce muscle wasting hormones known as glucocorticoid steroid, most commonly cortisol. While Testosterone Propionate truly has limitless properties, as it pertains to performance, its ability to greatly increase IGF 1 production in the body can be interesting. IGF-1 is a very powerful peptide hormone of a highly anabolic nature and plays a key role alongside human growth hormone. A testosterone hormone with the Propionate ester attached, Testosterone Propionate carries with it a half-life of approximately 2 days. While this is not the shortest possible half-life of an ester based steroid, it is definitely on the short end and is generally the shortest ester attached to any testosterone hormone.

COMPOSITION

Medicinal ingredients and Non-Medicinal ingredients

Each 2mL contains: Testosterone propionate, 200 mg; benzyl alcohol, 9 mg; benzyl benzoate, 0.7 mL; cottonseed oil USP, q.s.

CLINICAL PHARMACOLOGY

All testosterone forms are the same in terms of active hormone, Testosterone Propionate, Testosterone Cypionate, Testosterone Enanthate are all comprised of the same identical testosterone hormone. However, per milligram Testosterone Propionate will prove to be more potent as more of it is actual testosterone. For example, a 100 mg injection of Testosterone Enanthate will yield approximately 70 mg of testosterone; the remainder of the total mass will be the ester. As for Testosterone Propionate, (as it is a short ester its total mass in a particular compound is less than a larger ester such as Cypionate or Enanthate) a 100 mg injection will yield 80 mg of testosterone.

INDICATIONS

Hypogonadism Typical signs of testosterone deficiency, known as hypogonadism, may include: increased irritability or depression, fatigue, decreased concentration, noticeable decrease in lean body mass and increase in fat mass, particularly abdominal fat, decreased libido and sex drive, erectile dysfunction and decreased frequency of morning erections, reduced muscle mass and strength, loss of body hair, and osteoporosis.

CONTRAINDICATIONS

Chronic Heart Failure, Chronic Lung Disease, Liver Problems, Kidney Disease, Enlarged Prostate, Enlarged Breasts, Temporarily Stops Breathing While Sleeping, Visible Water Retention, Pregnancy, A Mother who is Producing Milk and Breastfeeding, Breast Cancer in a Male Patient, Cancer of the Prostate Gland, Increased Calcium in the Blood from Cancer, Diabetes, High Cholesterol, Overweight

METABOLISME

Testosterone-Propionate has an aromatase effect. Testosterone will convert to estrogen through the aromatase process and can bring negative effects such as Gynecomastia, water retention, blood pressure, and cholesterol issues to name a few. While these side-effects can be problematic, they are not without solution. However, the side-effect of testicular atrophy is assured in all but in most cases inconsequential. Through the use of Testosterone-Propionate or any testosterone form, when exogenous testosterone is present natural production is no longer necessary and it will come to a halt. As testosterone is produced in the testicles, once productions cease to exist the testicles shrink; however, once exogenous use is discontinued and natural production begins again, the testicles return to their normal size. As these effects are caused by the advent of estrogen, by supplementing with an aromatase inhibitor such as Anastrozole or Letrozole, we can greatly reduce such effects and many times completely eliminate them. Just as

important, as it pertains to blood pressure, cholesterol and other similar actions, a healthy diet is imperative; diets that are sufficient in healthy Omega Fats as well as those who condition with regular cardiovascular training greatly reduce the chances of many negative effects commonly associated with many anabolic steroids.

ADVERSE REACTIONS

Nausea, vomiting, headache, skin color changes, increased/decreased sexual interest, oily skin, hair loss, and acne may occur. Pain and redness at the injection site may also occur.

CARDIOVASCULAR

Testosterone can have a strong, negative impact on cholesterol by suppressing HDL cholesterol (good cholesterol) and increasing LDL cholesterol (bad cholesterol). This negative effect on cholesterol should not be as strong as most oral anabolic steroids, but it will be far more pronounced than most injectable steroids. A cholesterol friendly lifestyle is imperative, which means a cholesterol friendly diet rich in omega fatty acids, low in saturated fats, and low in simple sugars. Testosterone may increase blood pressure and should be used with caution for patients with hypertension. Edema with or without congestive heart failure may be serious complication in patients with pre-existing cardiac, renal or hepatic disease. Diuretic therapy may be required in addition to discontinuation of the drug. However, it does not appear to negatively affect most healthy adult men in this way.

DOSAGE AND ADMINISTRATION

A short ester Testosterone Propionate must be necessarily administered at a minimum of every two days with every other day to be optimal. Peak levels are easy to control with the use of Testosterone Propionate due to the short ester being attached, especially in the competitive bodybuilding world, since they use Testosterone Propionate in their off-season as well. 50mg to 150mg injection is the most common; testosterone propionate must be injected into the deep muscles group. See chart for intramuscular injection sites.

STORAGE INSTRUCTIONS

Vial should be kept away from light and stored in controlled temperature from 20-25 degree Celsius. (68° TO 77°F) Warming and shaking the vial should redissolve any crystals that may have formed during storage. Keep out of reach of children.

