Testosterone

The primary male sex hormone, testosterone, is produced naturally in males and required for promoting growth and maintenance of male sexual characteristics. However, the level of naturally-producing testosterone may decline with passing age and this is where derivatives of the hormone (such as testosterone cypionate, testosterone enanthate, testosterone phenylpropionate, testosterone propionate, and testosterone suspension) come into the picture.

It is worthwhile to note that testosterone is also important to promote the development of prostate and seminal vesicles besides promoting deepening of the voice, widened shoulders, rib cage expansion, growth of chest and facial hair, reductions in subcutaneous fat, and growth of spermatogenesis tissue in testes. The natural production of testosterone may decline because of chronic kidney failure, genetic abnormalities, pituitary gland dysfunction, radiation treatment for cancer, inflammatory diseases, drugs for treating prostate cancer and corticosteroid drugs, and alcoholism.

By using testosterone derivatives, men with low testosterone levels can expect reduced risk of dementia and improvements in terms of blood sugar control, energy levels, sexual function, and muscle mass.

Testosterone Enanthate: This derivative of testosterone is commonly used by sportsmen to deliver dramatic on-field performances and benefit from improved muscle mass, muscle function, body strength, and muscle size. The anabolic steroid is equally effective in recovering quickly from extreme body building and intense workouts. In addition to this, testosterone enanthate is also beneficial in improving the count of red blood cells and promoting protein synthesis and nitrogen retention. The recommended dose of testosterone enanthate is 250-500 mg per week when administered in an intramuscular way through a 22-23 gauge needle with a 1 or 2ml syringe. This steroid is generally stacked with Anavar, Clenbuterol, Dianabol, Deca Durabolin, Equipoise, and Primobolan. Abuse of testosterone enanthate can lead to side effects, including painful penile erections, vomiting, nausea, increased serum cholesterol, irregular menstrual cycles, and virilizing effects.

Testosterone Propionate: Considered to be one of the most popular derivatives of testosterone, testosterone propionate is highly popular among professional cyclists, body builders, power lifters, athletes, and MMA fighters. It has an active life of two to three days and the levels of water based gains and water retention on a testosterone propionate cycle are lower compared to that of the enanthate or cypionate versions of testosterone. Use of this anabolic steroid is related to a slight increase in red blood cell count and oxygen carrying capacity of the body. It is also used by sportsmen to lose body fat and gain muscle mass at the same time. The recommended dosage of testosterone propionate is 500 mg per week when administered intramuscularly via a 22-23 gauge needle with a 1 or 2ml syringe usually about 1” length. The steroid is commonly stacked with Anadrol, Deca Durabolin, Dianabol, and Equipoise. Abuse of the steroid can lead to side effects like headache, anxiety, depression, painful penile erections, hair loss, oily skin, and jaundice.

Testosterone Cypionate: The anabolic steroid and derivative of testosterone, the male sex hormone, is recommended by practitioners for treating deficiency of endogenous testosterone. The steroid is best used in doses of 200-1000 mg by first-time users and 500-1000 mg weekly by regular steroid users. Common injection sites for administering intramuscular testosterone cypionate injections are dorsogluteal site (buttock), ventrogluteal part of the gluteus, deltoid (shoulder), hands and muscle (arms), or pectorals (chest region). It is classified as the oil-soluble 17?-cyclopentylpropionate ester of the androgenic hormone (testosterone). Its
chemical name is androst-4-en-3-one, 17-(3-cyclopentyl-1-oxopropoxy)-, (17?)- and the molecular weight is 412.61 and its molecular formula is C27H40O3. It has an anabolic/androgenic ratio of 100:100 and best used for promoting performance, strength, stamina, muscle mass, and muscle definition improvements. Testosterone cypionate abuse may lead to side effects such as acne, change in sex drive, irritation, gum pain, hair loss, and headache.

Testosterone Suspension: Considered to be one of the best anabolic steroids and testosterone compounds, testosterone suspension is best admired by sportsmen for promoting new muscle tissues and repair broken muscle tissues in as short as six to eight weeks. With no connected esters and an active life of two to three days, this derivative of the primary male sex hormone is one of the best drugs for promotion of IGF-1 (insulin like growth factor-1) and red blood cells. It has the molecular bodyweight of 288.429 g/mol at the base and its molecular formula is C27H40O3. This testosterone derivative is also useful in promoting nitrogen storage and protein synthesis besides securing muscle tissue against catabolic (muscle wasting) glucocorticoid testosterone that is employed by the body for maintenance of the ability of homeostasis in the wake of variations in regards to weather and outside environment. The ideal dose of this steroid for men is 350-1000 mg per week in oral form and 50-100 mg per day in injectable form. The testosterone compound is generally stacked with Equipoise and Deca Durabolin during a bulking cycle and abuse of this steroid can cause side effects such as acne, greasy skin, liquid storage, and gynecomastia. The steroid is not indicated to pregnant and lactating women and children.

Testosterone Phenylpropionate: This derivative of testosterone, the male sex hormone, has an active life of nearly 4-5 weeks and its release time is 1-3 weeks. The long-acting anabolic is best admired for its unique ability to dramatically improve immunity, growth and development of male sexual organs, energy, endurance, and maintenance of secondary sexual characteristics. In addition to this, Testosterone Phenylpropionate is also admired for promoting weight loss and protecting the body against heart diseases and improving the levels of protein synthesis and nitrogen retention. The recommended dose of this anabolic steroid for men is 350-1000 mg per week for a period of six to eight weeks. It is highly recommended that users of the steroid should consume at least eight to ten glasses of water for preventing dehydration and balance out the water ratio. When abused, Testosterone Phenylpropionate can cause fluid retention, gynecomastia, hair loss, and enlarged prostate. Pregnant and breastfeeding women or those suffering from prostate or breast cancer or liver dysfunction and heart ailments and children should avoid using this steroid.