

MAGNUS PHARMACEUTICALS

# Stanozol Injectable

Stanozolol Suspension 50mg/ml U.S.P. (10ml VIAL)

**Read all of this leaflet carefully before you start taking this medicine because it contains important information for you.**

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor, pharmacist or nurse.
- This medicine has been prescribed for you only. Do not pass it on to others. It may harm them, even if their signs of illness are the same as yours.
- If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in this leaflet.

## About

Stanozol is the most widely recognized trade name for the drug stanozolol. Stanozolol is a derivative of dihydrotestosterone, chemically altered so that the hormone's anabolic (tissuebuilding) properties are greatly amplified and its androgenic activity minimized. Stanozolol is classified as an "anabolic" steroid, and exhibits one of the strongest dissociations of anabolic to androgenic effect among commercially available agents. It also cannot be aromatized into estrogens. Stanozolol is the second most widely used oral steroid, succeeded in popularity only by Dianabol (methandrostenolone). It is favored for its ability to promote muscle growth without water-retention, making it highly valued by dieting bodybuilders and competitive athletes.

## Side Effects (Estrogenic)

Stanozolol is not aromatized by the body, and is not measurably estrogenic. An anti-estrogen is not necessary when using this steroid, as gynecomastia should not be a concern even among sensitive individuals. Since estrogen is the usual culprit with water retention, stanozolol instead produces a lean, quality look to the physique with no fear of excess subcutaneous fluid retention. This makes it a favorable steroid to use during cutting cycles, when water and fat retention are major concerns. Stanozolol is also very popular among athletes in combination strength/speed sports such as Track and Field. In such disciplines one usually does not want to carry around excess water weight, and may find the raw muscle-growth brought about by stanozolol to be quite favorable over the lower quality mass gains of aromatizable agents.

## Side Effects (Androgenic)

Although classified as an anabolic steroid, androgenic side effects are still common with this substance. This may include bouts of oily skin, acne, and body/facial hair growth. Anabolic/androgenic steroids may also aggravate male pattern hair loss. Women are also warned of the potential virilizing effects of anabolic/androgenic steroids. These may include a deepening of the voice, menstrual irregularities, changes in skin texture, facial hair growth, and clitoral enlargement. Additionally, the 5-alpha reductase enzyme does not metabolize stanozolol, so its relative androgenicity is not affected by finasteride or dutasteride. Stanozolol is a steroid with relatively low androgenic activity in relation to its tissue-building actions, making the threshold for strong androgenic side effects comparably higher than more androgenic agents such as testosterone, methandrostenolone, or fluoxymesterone.

## Side Effects (Hepatotoxicity)

Stanozolol is a c17-alpha alkylated compound. This alteration protects the drug from deactivation by the liver, allowing a very high percentage of the drug entry into the bloodstream following oral administration. C17-alpha alkylated anabolic/androgenic steroids can be hepatotoxic. Prolonged or high exposure may result in liver damage. In rare instances life-threatening dysfunction may

develop. It is advisable to visit a physician periodically during each cycle to monitor liver function and overall health. Intake of c17-alpha alkylated steroids is commonly limited to 6-8 weeks, in an effort to avoid escalating liver strain.

Stanozolol appears to offer less hepatic stress than an equivalent dose of Dianabol (methandrostenolone). Studies giving 12mg of stanozolol per day for 27 weeks failed to demonstrate clinically-significant changes in markers of liver function, including serum aspartate amino-transferase, alanine amino-transferase, gamma-glutamyltransferase, bilirubin, and alkaline phosphatase. Relative hepatotoxicity increases as the dosage escalates, so hepatic dysfunction should still be a concern. In rare instances, high doses (alone or in combination with other steroids) have been implicated in cases of serious life-threatening hepatotoxicity in bodybuilders. Injectable stanozolol has also been implicated in severe hepatotoxicity in an otherwise healthy bodybuilder, and should not be used as an alternative medication when liver toxicity precludes oral stanozolol use.

The use of a liver detoxification supplement such as Liver Stabil, Liv-52, or Essentiale Forte is advised while taking any hepatotoxic anabolic/androgenic steroids.

## Side Effects (Cardiovascular)

Anabolic/androgenic steroids can have deleterious effects on serum cholesterol. This includes a tendency to reduce HDL (good) cholesterol values and increase LDL (bad) cholesterol values, which may shift the HDL to LDL balance in a direction that favors greater risk of arteriosclerosis. The relative impact of an anabolic/androgenic steroid on serum lipids is dependant on the dose, route of administration (oral vs. injectable), type of steroid (aromatizable or non-aromatizable), and level of resistance to hepatic metabolism. Stanozolol has a strong effect on the hepatic management of cholesterol due to its structural resistance to liver breakdown, non-aromatizable nature, and route of administration. Studies using an oral dose of 6 mg per day for six weeks demonstrated a mean serum HDL reduction of 33% in healthy male weight-training subjects, which was combined with a 29% increase in serum LDL. Anabolic/androgenic steroids may also adversely affect blood pressure and triglycerides, reduce endothelial relaxation, and support left ventricular hypertrophy, all potentially increasing the risk of cardiovascular disease and myocardial infarction.

Injectable stanozolol has also been documented to produce strong negative changes in serum lipids. One study was carried out on a group of 12 healthy male subjects, and demonstrated a measurable reduction in HDL cholesterol values, as well as an increase in LDL and total cholesterol values, following a single injection of 50 mg. These changes persisted for 4 weeks after the drug was administered, and represent a potential increased risk for developing arteriosclerosis. Injectable stanozolol should not be used as an alternative medication when cardiovascular risk factors preclude oral stanozolol use.

To help reduce cardiovascular strain it is advised to maintain an active cardiovascular exercise program and minimize the intake of saturated fats, cholesterol, and simple carbohydrates at all times during active AAS administration. Supplementing with fish oils (4 grams per day) and a natural cholesterol/antioxidant formula such as Lipid Stabil or a product with comparable ingredients is also recommended.

## Side Effects (Testosterone Suppression)

All anabolic/androgenic steroids when taken in doses sufficient to promote muscle gain are expected to suppress endogenous testosterone production. Stanozolol is no exception, and is noted for its strong influence on the hypothalamic-pituitary-testicular axis. Clinical studies giving 10 mg per day to healthy male subjects for 14 days caused the mean plasma testosterone level to fall by 55%. Without the intervention of testosterone-stimulating substances, testosterone levels should return to normal within 1-4 months of drug secession. Note that prolonged hypogonadotropic hypogonadism can develop secondary to steroid abuse, necessitating medical intervention.

## Administration (General)

Studies have shown that taking an oral anabolic steroid with food may decrease its bioavailability. This is caused by the fat-soluble nature of steroid hormones, which can allow some of the drug to dissolve with undigested dietary fat, reducing its absorption from the gastrointestinal tract. For maximum utilization, oral forms of stanozolol should be taken on an empty stomach.

There can be large discrepancies in the steroid particle size between injectable stanozolol preparations. For example, Stanozol from Zambon (Spain) was designed for human use, and uses a refined powder that will pass through a 27-gauge needle. Stanozol-V is a veterinary product in the U.S. and Canada, and has larger particles that will jam in needles smaller than 22-gauge. Solutions that utilize a larger particle size may also cause more discomfort at the site of injection. Injectable forms of stanozolol can be taken in measured oral doses should injection prove intolerable.

## Administration (Men)

The original prescribing guidelines for Stanozol called for a daily dosage of 6 mg, which was administered on a schedule of one 2 mg tablet three times per day. The usual dosage for physique- or performance-enhancing purposes is between 15 mg and 25 mg per day, or three to five 5 mg tablets, taken for no longer than 6-8 weeks. Injectable Stanozol is generally recommended at a clinical dosage of one 50 mg injection every 2-3 weeks.

When used for physique- or performance-enhancing purposes, a dosage of 50 mg every other day is most commonly applied. Veterinary stanozolol preparations with a larger particle size will be more slowly dispersed by the body, and are commonly given at 75 mg every third day. Doses of 50 mg per day with injectable stanozolol are not uncommon, although probably not advised. Note that injectable forms of the drug are expected to have, milligram for milligram, a greater anabolic effect than oral.

Stanozolol is often combined with other steroids for a more dramatic result. For example, while bulking one might opt to add in 200-400 mg of a testosterone ester (cypionate, enanthate, or propionate) per week. The result should be a considerable gain in new muscle mass, with a more comfortable level of water and fat retention than if taking a higher dose of testosterone alone. For dieting phases, one might alternately combine stanozolol with a nonaromatizing steroid such as 150 mg per week of a trenbolone ester or 200-300 mg of Primobolan). Such stacks are highly favored for increasing definition and muscularity. An in-between (lean mass gain) might be to add in 200-400 mg of a low estrogenic compound like Deca-Durabolin (nandrolone decanoate) or Equipoise (boldenone undecylenate).

## Administration (Women)

The original prescribing guidelines for Stanozol called for a daily dosage of 4 mg (one 2mg tablet twice daily) with young women particularly susceptible to the androgenic effects of anabolic steroids. This dosage was increased to 6mg (the same as the recommended dose for males) when necessary.

When used for physique- or performance-enhancing purposes, a dosage of 5 mg to 10 mg daily is most common, taken for no longer than 4-6 weeks. Injectable Stanozol is generally recommended at a clinical dose of 50 mg every 2-3 weeks. The injectable is usually not advised with women for physique- or performance-enhancing purposes, as it allows for less control over blood hormone levels. Those women who absolutely must use the injectable commonly administer 25 mg every 3 or 4 days. Although this compound is weakly androgenic, the risk of virilization symptoms cannot be completely excluded, even at therapeutic doses.