

K17

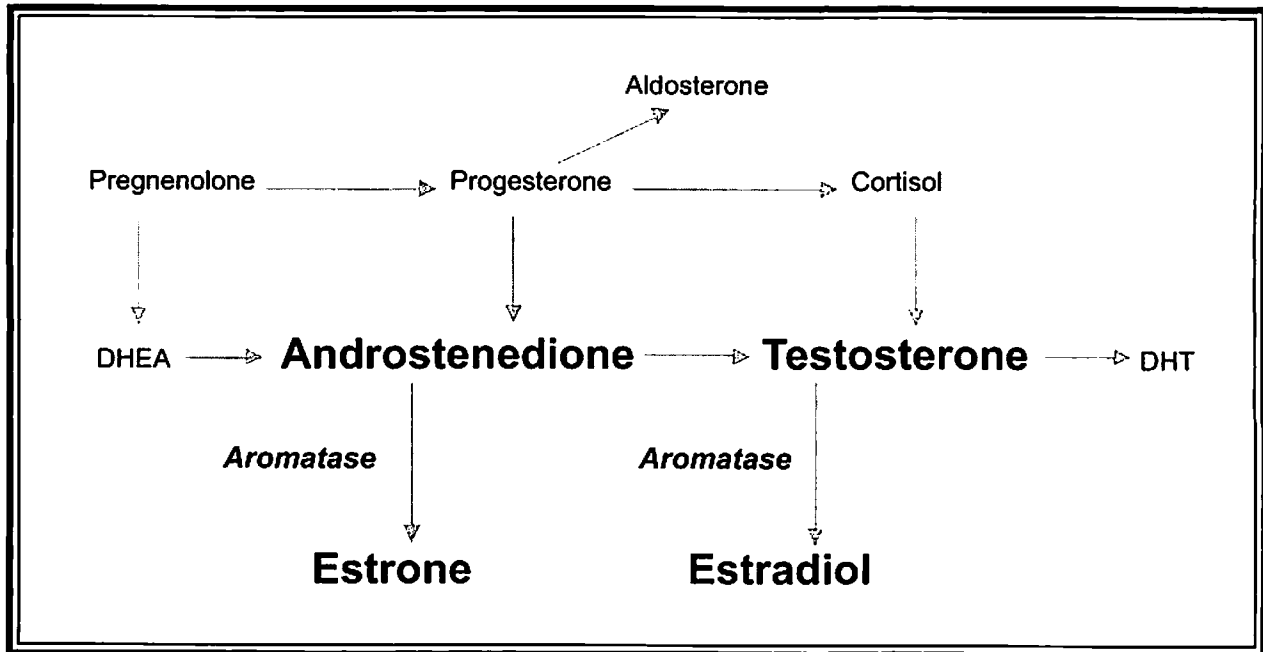
TESTANEX™

Balancing cream with chrysin and bioflavonoids helps prevent the conversion of testosterone into estrogens.

DETAILED DESCRIPTION

An enzyme called aromatase functions by converting testosterone into estrogen. This occurs normally in peripheral tissue, especially in body fat. Aromatase overactivity is very common, especially in men. As a matter of fact, it is the most common cause of andropause. Andropause refers to a physiological state in which the production of androgen dominant hormones such as testosterone decline. Functional andropause takes place when the ratios between testosterone and other hormones shift. The most common cause of functional andropause occurs when there is a difference in the ratio between serum levels of testosterone and estrogen. For example, a normal serum testosterone to estrogen ratio may be 50:1. Some men with andropause appear to have an 8:1 ratio. These men may have normal lab ranges of testosterone, but their state of estrogen dominance is expressing a low testosterone state. This is usually due to overactive aromatase function which creates a metabolic shift that metabolizes testosterone into estrogens.^{1 2 3}

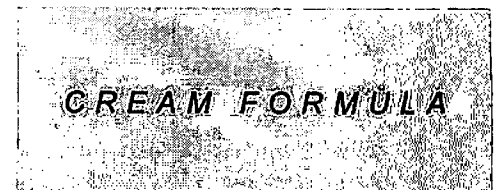
When an individual has overactivity of aromatase they will have an abnormal testosterone to estrogen ratio and express signs and symptoms of low androgens such as loss of libido, inability to maintain erections, loss of muscle mass, increase in body fat, sweating attacks, depression, high blood sugar and insulin, high blood pressure, and high cholesterol.^{4 5} Many times these patients' abnormal metabolism is missed because only a bioassay of testosterone is completed.⁶



*Statements in this flyer have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure or prevent any disease.*

**Formula
Info Page**

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KEY INGREDIENT RESEARCH COMMENTARY

CHRYSIN CREAM - Chrysin (5,7-dihydroxyflavone) is a compound that belongs to the flavonoid family. The flavonoid chrysin has shown a unique ability to prevent the conversion of testosterone into estrogens by inhibiting the enzyme aromatase.^{7 8 9 10 11} This is crucial in normalizing hormone shifts in which testosterone is converted into estrogens.

Recent advances in flavonoid delivery have allowed a cream to be developed to increase tissue exposure to chrysin. A cream delivery is far superior to oral intake of chrysin for several reasons. First, the absorption of chrysin via the gastrointestinal tract is difficult and the use of a cream allows delivery of the flavonoid directly into the blood stream by bypassing the gastrointestinal tract.¹³ Second, the cream can be applied directly to adipose tissue, which is the location of most the aromatase enzyme. The chrysin cream form of delivery incorporates advanced delivery mechanisms that use lipid spheres called liposomes to deliver the flavonoid directly to the tissue where it is needed.

In addition to chrysin's role as an aromatase inhibitor, flavonoids such as chrysin are widely distributed in plants and have a characteristic molecular structure. These compounds have also shown to have antioxidant,^{14 15} anti-inflammatory,^{16 17} anti-histamine,¹⁸ anti-viral,¹⁹ and anti-carcinogenic properties.^{20 21 22} The use of chrysin in a cream far exceeds only aromatase down-regulation activity.

ACTIVE INGREDIENTS:

Citrus flavonoids, Chrysin, Pyridoxal phosphate, Purified Water, Sea Kelp, Alfalfa, Avena Sativa, Black Currant bud extract, Phosphoric Acid, Vegetable charcoal, Antimony Sulphate, potassium phosphate, ATP, Ammonium carbonate, Silver nitrate, Arnica, Agrimony, Aloe vera, Selfheal, Dandelion, Pituitary.

DIRECTIONS

Apply 1/4 to 1/2 teaspoon to vascular area of skin (behind knees, inside elbow crease, palms, and back of neck) in the morning, afternoon, and night time, or as directed.

OTHER PRODUCTS TO CONSIDER

Elevated aromatase activity is commonly associated with insulin resistance and elevated cortisol. A broad spectrum nutritional and herbal support to manage insulin resistance such as Glysen® (K01) should be considered. AdrenaCalm™ (K16) is a useful cream to manage elevated cortisol levels. OmegaCo3™ (K07) is a broad spectrum essential fatty acid supplement with cofactors designed to support insulin resistance.

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