

araVEX[™]

Advanced Aromatase Optimizer[†]



Size: 60 Capsules | **Serving Size:** Two (2) Capsules | **Servings Per Container:** 30

Supercharges Healthy Testosterone Levels!

araVEX[™] was specifically designed to optimize healthy testosterone levels and maintain healthy estrogen balance by inhibiting an enzyme known as aromatase, thus preventing the conversion of testosterone to estrogen. To achieve this, araVEX[™] delivers scientifically supported high quality ingredients including Chrysin, Diindolylmethane (DIM), Stinging Nettle Root, and Indole-3-Carbinol in efficacious doses for positive hormone modulation results.

During the aging process in males, testosterone biosynthesis and blood levels decline resulting in decreases in numerous physiological and healthy processes. This physiological phenomenon generally begins in the late third or early fourth decade of life. In addition to the decreased output of testosterone, aromatase levels increase with age causing older men to convert testosterone they do produce into estrogen. Low testosterone levels in males have been shown to be a major risk factor for numerous physiological, metabolic and mental health conditions.

Chrysin is a natural bioflavonoid that is primarily found in passionflower. Published scientific studies have shown that Chrysin functions as an inhibitor of aromatase, an enzyme that converts testosterone to estrogen, hence supporting healthy testosterone levels and estrogen ratios in balance in the body. Chrysin has been shown to enhance steroidogenesis and steroidogenic acute regulatory gene expression in Leydig cells. Leydig cells are specialized cells in the male testis that produces testosterone. Additionally, Chrysin has antioxidant properties and supports healthy liver function. Therefore, Chrysin promotes healthy testosterone levels, lean mass, bone density, and liver support benefits in males.

Diindolylmethane (DIM) is a major active metabolite of Indole-3-Carbinol that is found in Cruciferous vegetables such as broccoli, cauliflower, Brussel sprouts, and cabbage. Both Diindolylmethane and Indole-3-Carbinol function as an estrogen receptor inhibitor. DIM and Indole-3-Carbinol also support the detoxification functions in the liver and promote healthy hormone metabolism while promoting cell cycle activity and overall cellular health.

Stinging Nettle Root is a natural botanical containing a family of plant lignins including neolivil, secoisolariciresinol, isolariciresinol, pinoresinol, and 3,4-divanillyltetrahydrofuran. These metabolites are known to bind to human sex hormone binding globulin (SHBG) making more free testosterone available to tissues.

araVEX[™] is primarily indicated for healthy adult males, but women can also benefit from its use to support estrogen metabolism. In males, araVEX[™] is most effective when used in conjunction with a high quality testosterone support product.

KEY FEATURES

- Contains Chrysin, Diindolylmethane (DIM), Stinging Nettle Root, and Indole-3-Carbinol.
- Manufactured in a cGMP facility.
- All Ingredients are Independently Tested for Quality, Purity, and Potency to Guarantee Label Claim.

KEY MESSAGES

- *Designed to optimize healthy testosterone levels and maintain healthy estrogen balance by inhibiting an enzyme known as aromatase, thus preventing the conversion of testosterone to estrogen.[†]*
- *During the aging process in males, testosterone biosynthesis and blood levels decline resulting in decreases in numerous physiological and healthy processes. Additionally, aromatase levels increase with age causing older men to convert testosterone they do produce into estrogen.[†]*
- *Chrysin is a natural bioflavonoid. Chrysin functions as an inhibitor of aromatase, hence supporting healthy testosterone levels and estrogen ratios in balance in the body. Additionally, Chrysin has antioxidant properties and supports healthy liver function.[†]*
- *Diindolylmethane (DIM) is a major active metabolite of Indole-3-Carbinol that is naturally found in Cruciferous vegetables. Both Diindolylmethane and Indole-3-Carbinol function as an estrogen receptor inhibitor. DIM and Indole-3-Carbinol also support the detoxification functions in the liver and promotes healthy hormone metabolism.[†]*
- *Stinging Nettle Root is a natural botanical containing a family of plant lignins including neolivil, secoisolariciresinol, isolariciresinol, pinoresinol, and 3,4-divanillyltetrahydrofuran. These metabolites are known to bind to human sex hormone binding globulin (SHBG) making more free testosterone available to tissues.[†]*
- Allergen free.
- Easy to swallow capsules.

[†] **These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.**

Size: 60 Capsules | Serving Size: Two (2) Capsules | Servings Per Container: 30

Supplement Facts

Serving Size: Two (2) Capsules

Servings Per Container: 30

	Amount Per Serving	%Daily Value*
Chrysin (5,7-Dihydroxyflavone)	400mg	**
DIM (Diindolylmethane)	200mg	**
Stinging Nettle (Urtica dioica) (Root)	200mg	**
Indole-3-Carbinol	200mg	**

*Percent Daily Values are based on a 2000 calorie diet.

**Daily Value not established.

Directions: Take 2 capsules with food one to two times daily.**Other Ingredients:** Rice Powder, Silicon Dioxide, Magnesium Stearate, Gelatin Capsule.

Manufactured in a cGMP facility that processes milk, egg, fish, Crustacean shellfish, tree nuts, wheat and soy.

KEEP OUT OF THE REACH OF CHILDREN.**STORE IN A COOL, DRY PLACE AWAY FROM MOISTURE, SUNLIGHT AND EXCESS HEAT. ALWAYS KEEP TIGHTLY SEALED.**

TARGET MARKET

Primary: Males looking for a science based and high quality dietary supplement to support healthy aromatase levels to optimize testosterone levels.**Secondary:** Women looking for a high quality dietary supplement to support healthy aromatase levels to optimize estrogen levels.

RECOMMENDED STACK

- **2TX**
- **MTX**
- **Max ZMA**

KEY REFERENCES

1. Balunas MJ, Su B, Brueggemeier RW, Kinghorn AD. Natural products as aromatase inhibitors. *Anticancer Agents Med Chem.* 2008 Aug;8(6):646-82.
2. Balunas MJ, Kinghorn AD. Natural compounds with aromatase inhibitory activity: an update. *Planta Med.* 2010 Aug;76(11):1087-93.
3. Hadfield KD, Newman WG. Pharmacogenetics of aromatase inhibitors. *Pharmacogenomics.* 2012 Apr;13(6):699-707.
4. Jana K, Yin X, Schiffer RB, et al. Chrysin, a natural flavonoid enhances steroidogenesis and steroidogenic acute regulatory protein gene expression in mouse Leydig cells. *J Endocrinol.* 2008 May;197(2):315-23.
5. Oliveira GA, Ferraz ER, Souza AO, et al. Evaluation of the mutagenic effect of chrysin, a flavonoid inhibitor of the aromatization process. *J Toxicol Environ Health A.* 2012;75(16-17):1000-11.
6. Gambelunghe C, Roxxi R, Somavilla M, et al. Effects of chrysin on urinary testosterone levels in human males. *J Med Food.* 2003 Winter;6(4):387-90.
7. Kellis JT Jr, Vickery LE. Inhibition of human estrogen synthetase (aromatase) by flavones. *Science.* 1984 Sep 7;225(4666):1032-4.
8. Ibrahim AR, Abul-Hajj YJ. Aromatase inhibition by flavonoids. *J Steroid Biochem Mol Biol.* 1990 Oct;37(2):257-60.
9. Lo R, Matthews J. A new class of estrogen receptor beta-selective activators. *Mol Interv.* 2010 Jun;10(3):133-6.
10. Bovee TF, Schoonen WG, Hamers AR, et al. Screening of synthetic and plant-derived compounds for (anti)estrogenic and (anti)androgenic activities. *Anal Bioanal Chem.* 2008 Feb;390(4):1111-9.
11. Minich DM, Bland JS. A review of the clinical efficacy and safety of cruciferous vegetable phytochemicals. *Nutr Rev.* 2007 Jun;65(6 Pt 1):259-67.
12. Auburn KJ, Fan S, Rosen EM, et al. Indole-3-carbinol is a negative regulator of estrogen. *J Nutr.* 2003 Jul;133(7 Suppl):2470S-2475S.
13. Schottner M, Gansser D, Spiteller G. Lignans from the roots of *Urtica dioica* and their metabolites bind to human sex hormone binding globulin (SHBG). *Planta Med.* 1997 Dec;63(6):529-32.
14. Chrusasik JE, Roufogalis BD, Wagner H, Chrusasik S. A comprehensive review on the stinging nettle effect and efficacy profiles. Part II: *urticae radix.* *Phytomedicine.* 2007 Aug;14(7-8):568-79.
15. Gansser D, Spiteller G. Plant constituents interfering with human sex hormone-binding globulin. *Evaluation of a test method and its application to Urtica dioica root extracts.* *Z Naturforsch C.* 1995 Jan-Feb;50(1-2):98-104.

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