

NutriDyn®

7-KETO® DHEA

Healthy Thermogenesis
Support*

7-KETO® DHEA Supplementation

7-KETO® DHEA is a patented derivative of the hormone dehydroepiandrosterone (DHEA) that can help support healthy hormone production and body composition in males and females.* 7-KETO® DHEA works to help regulate the body's production of key hormones such as triiodothyronine (T3) and cortisol without directly altering sex steroids. In turn, 7-KETO® DHEA has many functions in the body, including, but not limited to, supporting metabolic rate, stress levels, body composition, and cognitive function.*^{1,2}

Given the importance of proper endocrine balance and function, individuals stand to benefit from 7-KETO® DHEA in a variety of ways. Below are some of the most pertinent research-backed benefits derived from its use.

- Supports healthy body composition*
- Supports healthy thyroid hormone production and metabolic rate*
- Supports cortisol rhythms and mood*
- Supports cognitive function*

How 7-KETO® DHEA Works

Steroids are hormones that fall into five classes: androgens, estrogens, progestins, mineralocorticoids, and glucocorticoids. These hormones have either anabolic or catabolic properties in the body. Anabolic reactions use energy to build cellular components, while catabolic reactions do the inverse (i.e., break down cell components to release energy).

Androgenic steroids, such as testosterone, are hormones that are typically anabolic and promote masculine characteristics (such as deepening of the voice and enhanced penile function), but they are still crucial in females. Contrarily, estrogenic hormones, such as estradiol, are both anabolic and catabolic and promote feminine characteristics (but they are still crucial in males).

Normally, DHEA can be converted to testosterone, androstenedione (the principal androgen in females), and estrogen. 7-KETO® DHEA does not convert into sex steroids, meaning it can have many of the benefits of DHEA, such as healthy energy levels and mood, without unwanted hormonal side effects.*³ Moreover, DHEA has been shown to counter the actions of cortisol, which is the primary stress hormone in humans and highly catabolic (breaks down tissues).*⁴

7-KETO® DHEA may also support levels of the thyroid hormone T3 (triiodothyronine).*⁵ In turn, this can help support healthy metabolism and body composition.*



For more information, visit: www.nutridyn.com

Supplement Facts

Serving Size: 1 Capsule
Servings Per Container: 60

	Amount Per Serving	%DV
7-oxo-dehydroepiandrosterone- 3 β -acetate (7-Keto [®])	100 mg	*

Other Ingredients: Microcrystalline cellulose, hydroxypropyl methylcellulose, vegetable magnesium stearate, silicon dioxide. 7-Keto[®] & logo are trademarks of Lonza or its affiliates.

Directions: Take one capsule twice daily as a dietary supplement or as directed by your healthcare practitioner.

Caution: If you are pregnant, nursing, or taking medication, consult your healthcare practitioner before use. Keep out of reach of children.

References:

1. Miller, W. L., & Auchus, R. J. (2010). The molecular biology, biochemistry, and physiology of human steroidogenesis and its disorders. *Endocrine reviews*, 32(1), 81-151.
2. Arsenou, E. S., Fouteris, M. A., Koutsourea, A. I., & Nikolaropoulos, S. S. (2003). 7-keto- Δ 5-steroids: Key-molecules owning particular biological and chemical interest. *Mini reviews in medicinal chemistry*, 3(6), 557-567.
3. Davidson, M. H., Weeks, C. E., Lardy, H., Maki, K., & Umporowicz, D. (1998). Safety and endocrine effects of 3-acetyl-7-oxo DHEA (7-keto DHEA). *FASEB J*, 12, A4429.
4. Ceresini, G., Morganti, S., Rebecchi, I., Freddi, M., Ceda, G. P., Banchini, A., ... & Valenti, G. (2000). Evaluation of the circadian profiles of serum dehydroepiandrosterone (DHEA), cortisol, and cortisol/DHEA molar ratio after a single oral administration of DHEA in elderly subjects. *Metabolism*, 49(4), 548-551.
5. Hampf, R., Sulcová, J., Bílek, R., & Hill, M. (2006). How short-term transdermal treatment of men with 7-oxo-dehydroepiandrosterone influences thyroid function. *Physiological research*, 55(1), 49.

* 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.

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