

DIOSGENIN

A History of Plant Hormones

Hormone imbalance has been an issue since the beginning of time, and ancient cultures discovered that certain plants could bring relief to many hormonal issues.

It turns out that plants make their own hormones called *phytosterols* that provide these benefits.

The plant advocate that most closely resembles the chemical structure of human hormone was discovered in the Mexican Yam and named *diosgenin* (die-OZ-jeh-nin or di-oz-JEN-in).

In 1944 Syntex Laboratories was founded to convert diosgenin into human hormone like cortisone. Syntex later submitted diosgenin to the University of Wisconsin for a biological evaluation, and discovered it was the most active orally-effective progestational hormone of its time. Syntex then filed patents on a process to convert diosgenin into human hormonal structures and made the industry's first birth control pills.

Years later, researchers discovered that flooding the body with hormones like progesterone, testosterone, estrogen, and growth hormones (steroids), could completely throw the bodies endocrine system out of balance, and contribute to a long list of poor health conditions. Human hormones synthesized from plant molecules are today referred to as *bioidentical hormones* but because of their conversion into human hormones, are believed to carry the same risk factors.

Researchers returned once again to examining the benefits of diosgenin as used in ancient cultures. They found that diosgenin is not converted into human hormones by the body, but because of its unique structure, diosgenin can mimic hormones like progesterone, estrogen, and testosterone. They do this by binding to cellular hormone receptor sites, thus providing similar benefits to the body's own hormones, but without the risks associated with Hormone Replacement Therapies (HRTs). That's called a win win!

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GIVING CHANGES EVERYTHING™

A broad spectrum of current health benefit studies show that diosgenin can help support the body's defense functions against*:

- Hormonal imbalances
- High blood pressure
- High blood sugar levels
- Stress
- Chronic implant inflammation
- Adrenal fatigue
- Thinning hair
- Osteoporosis
- Unexpected weight gain
- Cancer cell proliferation in hormone-related conditions
- Declining libido

** These statements have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure or prevent any disease.*

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