



DIPOWER

Anti-aging and improved cognitive function

- **Diopower** is a wild yam (*Dioscorea opposita*) extract with no less than 15% Diosgenin
- **Diopower** comes from a wild yam called Sanyaku, which has been used in traditional Chinese herbal medicine known as Kanpo before OAD
- Sanyaku can be found written as an ingredient for perennial youth and long life in Shennong Bencaojing, the oldest Chinese book on agriculture and medicinal plants.

Superiority

- **Diopower** is manufactured with the highest grade Sanyaku called Kai-Sanyaku that was used by Chinese emperors and is only found in a specific area in Henan, China.
- The Pro-Diosgenin content in the Kai-Sanyaku that is used is 4-8 times higher than normal Sanyaku.
- Studies show diosgenin-rich yam can improve cognitive functions in healthy adults.*
- Studies show that diosgenin-rich yam can promote healthy levels of sex hormones, lipids and antioxidants in postmenopausal women, while also reducing markers of risk for breast cancer and cardiovascular disease.*

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Production

Diopower is extracted with ethanol and water from Kai-Sanyaku using a Japanese patented method discovered by Prof. Gen-Ichiro Nonaka. The Pro-Diosgenin content in the Kai-Sanyaku that is used is 4-8 times higher than normal Sanyaku. Most wild yam extracts contain Pro-Diosgenin (saponin), not Diosgenin (sapogenin). However, because Pro-Diosgenin is not very bioavailable, in Diopower the Pro-Diosgenin is converted to Diosgenin by hydrolysis. Diopower is standardized for at least 15% Diosgenin content. Diopower is produced in a GMP (China), FSSC 22000 (ISO 22000 & ISO/TS 22002), ISO 14001, ISO 9001, and HACCP certified facility.

Studies

- **Diopower** may enhance cognitive function, shown in a placebo-controlled, randomized, double-blind crossover study of healthy adults (*Tohda et al. 2017*).
- Diosgenin-rich yam helped improve the status of sex hormones, lipids, and antioxidants in healthy postmenopausal women, while also decreasing levels of carcinogenic estrogen metabolites and markers of oxidative stress suggesting reduction in the risk of breast cancer and cardiovascular diseases (*Tohda et al. 2017*).
- In a study with a human skin equivalent model, diosgenin enhanced DNA synthesis and restored keratinocyte proliferation in aged skin (*Tada et al. 2009*).
- Diosgenin is safe and did not accelerate tumor growth in breast cancer-burdened mice (*Tada et al. 2009*).
- Diosgenin was found to facilitate repair of damaged neurons and improve memory dysfunction in a transgenic mouse model of Alzheimer's disease (*Tohda et al. 2012, Tohda et al. 2017*).
- Mechanism of action of diosgenin was found to be through activating the 1,25D3-MARRS pathway, that may be a critical pathway in anti-Alzheimer's Disease therapy (*Tohda et al. 2012, Tohda et al. 2018*).
- Diosgenin was found to enhance neuronal excitation and memory function in normal mice (*Tohda et al. 2013*).

How to Use

- Delivery
 - Tablets, hard and soft capsules, and jelly

