



Black Ginger: scientific name: *Kaempferia parviflora*



Black ginger has been used as a vitalizing and stimulating herb for centuries. It displays adaptogenic activities and reduces triglycerides, preventing diabetes.

Sexual Performance: Black ginger is a popular ingredient in male sexual performance formulations due to significant levels of PDE5 inhibitors which increase blood-flow to the testis and stimulate dopaminergic function in the hypothalamus. Dopamine is an organic

chemical that acts as a neurotransmitter and neuromodulator in the human brain. Among its activities dopamine influences motivation, arousal and sexual gratification.

Additionally black ginger has been shown to increase sperm density. Its aphrodisiac activities include enhanced sexual desire, motivation and performance as well as supporting the structure and function of Sertoli cells.

The Sertoli cell barrier (SCB) sometimes referred to as the “blood testes barrier” protects and controls the environment which produces, nourishes, maintains and stores sperm cells.

A clinical study of 45 healthy elderly males tested the effects of *Kaempferia parviflora* on erectile function. Response latency time to visual erotic stimuli as well as size and length of penis at erectile state showed significant changes. The study concluded “Our study clearly demonstrates that KP is a potential resource for the development of nutraceutical compound against aged related male erectile dysfunction.” *

*“Efficacy Assessment of *Kaempferia parviflora* for the Management of erectile dysfunction” Panakaporn Wannanon et. al., *OnLine Journal of Biological Sciences* Volume 12, Issue 4, pp. 149-155

In addition black ginger has strong antioxidant and anti-inflammatory effects due to the presence of strong antioxidants in the dark purple (almost black) flavonoid pigments that give black ginger its name.

Weight Management: In Lab animals fed black ginger body weight, visceral fat

accumulation, lipid metabolism abnormalities, hyperinsulinemia, glucose intolerance, insulin resistance, hypertension and peripheral neuropathy were suppressed. “Because KP had preventive effects on metabolic diseases, including antiobesity effects ... we propose that KP will be extremely valuable as a medicine or component of food in alternative health care.” **

***” Antiobesity effects of *Kaempferia parviflora* in spontaneously obese type II diabetic mice’ Tomoko Akase et. al. “Journal of Natural Medicine”, Jan.2011, vol. 65, issue 1, pp. 73-80

Cognitive Health: We mentioned that black ginger stimulates dopaminergic functions in the human brain. Parkinson's disease is caused by a loss of dopamine secreting neurons. Dopamine relays messages to the area of the brain that regulates coordinated body movements and with less dopamine people are less able to control these movements. Alzheimer’s disease characterized by impaired memory and cognitive functions are linked to substantial disturbances in dopamine regulation in the brain. ADHD (Attention Deficit Hyperactivity) is also associated with decreased dopamine activity. Boosting dopamine naturally can help to treat depression and bipolar depression. The ability of black ginger to stimulate dopaminergic function may greatly contribute to cognitive health.

Chemical Constituents: 5,7-dimethoxyflavone
5-hydroxy-3,7,4’—trimethoxyflavone
5-hydroxy-3,7-dimethoxyflavone
and most major flavones compounds

Cellular Fraction-Line Technology : Thai Freeze Dry dries freshly harvested black ginger, grown at our doorstep in the mountains surrounding Chiang Mai, Thailand, immediately upon harvest. This results in a highly bioactive product. Freeze drying is the best way to preserve the value of black ginger. Cellular Fraction-Line Technology [®] is a premium freeze dry process miles ahead of conventional freeze drying in terms of sustaining the synergistic intelligent cellular and molecular structure of the plant as closely as possible to how it exists in nature. This proprietary process results in a stable whole-food dried powder with high levels of bioactivity and bioavailability. Revive your relationship with nature’s complete foods. For detailed information regarding Thai Freeze Dry’s proprietary Cellular Fraction-Line Technology [®] please refer to our website: www.thaifreezedry.com

100% Black Ginger powder produced by Thai Freeze Dry’s Cellular Fraction-Line Technology is available in 400 mg. capsules or as bulk powder.