



TAYUYA POWDER

1 Pound (16 oz)

Retail Price: \$28.00

Description: Raintree Nutrition's tayuya root powder (*Cayaponia tayuya*) has been sustainably harvested in the Brazilian Amazon and is rich in the naturally occurring plant chemicals that this plant is regarded for. Tayuya is phytochemically rich in flavones, glucosides, and cucurbitacin triterpenes. Almost every species in the huge Cucurbitaceae family is documented to contain cucurbitacin compounds—many of which evidence biological activity (and, oftentimes, the plant's medicinal activity is ascribed to these chemicals).^{*} Novel cucurbitacins have been discovered in tayuya and named cayaponosides (24 distinct cayaponosides have been discovered thus far). For more complete information on this rainforest plant, please see the Raintree Nutrition internet website and online [Tropical Plant Database](#).

Traditional Uses:^{*} for pain of all types (arthritis, migraines and headaches, stomach aches, menstrual pain, etc.); for central nervous system disorders (sciatica, neuralgia, multiple sclerosis, epilepsy, nerve injuries, etc.); as a general detoxification aid and blood cleanser; for acne, eczema, dermatitis and other skin problems; for emotional fatigue and depression

Ingredients: 100% pure tayuya root (*Cayaponia tayuya*). No binders, fillers or additives are used. This product is non-irradiated and non-fumigated. It is a wild harvested product—grown naturally in the Brazilian Amazon without any pesticides or fertilizers.

Suggested Use: This plant is best prepared as an infusion (tea): Use one teaspoon of powder for each cup of water. Pour boiling water over herb in cup and allow to steep 10 minutes. Strain tea (or allow settled powder to remain in the bottom of cup) and drink warm. It is traditionally taken in 1 cup dosages, 2-3 times daily.

Contraindications: None known.

Drug Interactions: None known.

Clinical Documentation and Research:^{*} This Raintree product has not been the subject of any clinical research. Available third-party documentation and research on tayuya can be found at the Raintree website or at [PubMed](#). A partial listing of the published third party research on tayuya is shown below:

Anti-inflammatory, Pain-Relieving & Anti-arthritic Actions:

Escandell, J. M., et al. "Cucurbitacin R reduces the inflammation and bone damage associated with adjuvant arthritis in Lewis rats by suppression of TNF- α in T lymphocytes and macrophages." *J. Pharmacol. Exp. Ther.* 2006 Oct 25;

Escandell, J. M., et al. "Dihydrocucurbitacin B, isolated from *Cayaponia tayuya*, reduces damage in adjuvant-induced arthritis." *Eur. J. Pharmacol.* 2006 Feb; 532(1-2): 145-54.

Recio, M. C., et al. "Anti-inflammatory activity of two cucurbitacins isolated from *Cayaponia tayuya* roots." *Planta Med.* 2004; 70(5): 414-20.

Himeno, E., et al. "Structures of cayaponosides A, B, C and D, glucosides of new nor-cucurbitacins in the roots of *Cayaponia tayuya*." *Chem. Pharm. Bull.* (Tokyo) 1992; 40(10): 2885-87.

Ruppelt, B. M., et al. "Pharmacological screening of plants recommended by folk medicine as anti-snake venom—I. Analgesic and anti-inflammatory activities." *Mem. Inst. Oswaldo Cruz* 1991; 86 (Suppl. 2): 203-5.

Rios, J. L., et al. "A study of the anti-inflammatory activity of *Cayaponia tayuya* root." *Fitoterapia* 1990; 61(3): 275-78.

Faria, M. R. and E. P. Schenkel. "Caracterizacao de cucurbitacinas em especies vegetais cohecidas popularmente como taiuia." *Ciencia e Cultura* (São Paulo) 1987; 39: 970-73.

Bauer, R., et al. "Cucurbitacins and flavone C-glycosides from *Cayaponia tayuya*." *Phytochemistry.* 1984: 1587-91.

Cytotoxic & Anticancerous Actions:

Dantas, I. N., et al. "Studies on the cytotoxicity of cucurbitacins isolated from *Cayaponia racemosa* (Cucurbitaceae)." *Z. Naturforsch.* 2006 Sep-Oct; 61(9-10): 643-6.

Shaw, S. J., et al. "A series of 23,24-dihydrodiscodermolide analogues with simplified lactone regions."

Bioorg. Med. Chem. Lett. 2006 Apr; 16(7): 1961-4.

Wu, P. L., et al. "Cytotoxic and anti-HIV principles from the rhizomes of *Begonia nantoensis*." *Chem. Pharm. Bull.* 2004 Mar; 52(3): 345-9.

Anon., "Anti-tumor-promoter activity of natural substances and related compounds." Annual Report 1995. National Cancer Center Research Institute, Tokyo, Japan, 1996.

Konoshima, T., et al. "Inhibitory effects of cucurbitane triterpenoids on Epstein-Barr virus activation and two-stage carcinogenesis of skin tumor." *Biol. Pharm. Bull.* 1995; 18(2): 284-87.

Adrenal Tonic & Anti-Stress Actions:

Panosian, A., et al. "On the mechanism of action of plant adaptogens with particular reference to cucurbitacin R diglucoside." *Phytomedicine.* 1999 Jul; 6(3): 147-55.

Panosian, A. G., et al. "Action of adaptogens: cucurbitacin R diglucoside as a stimulator of arachidonic acid metabolism in the rat adrenal gland." *Probl. Endokrinol.* 1989 Mar-Apr; 35(2): 70-4.

Panosian, A. G., et al. "Effect of stress and the adaptogen cucurbitacin R diglycoside on arachidonic acid metabolism." *Probl. Endokrinol.* 1989 Jan-Feb; 35(1): 58-61.

Panosian, A. G., et al. "Cucurbitacin R glycoside—a regulator of steroidogenesis and of the formation of prostaglandin E2—a specific modulator of the hypothalamus-hypophysis-adrenal cortex system." *Biull. Eksp. Biol. Med.* 1987; 104(10): 456-7.

Dadaian, M. A., et al. "Prostaglandin E2 and F2 alpha and 5-hydroxyeicosatetraenoic acid levels in the blood of immobilized rats: effect of dihydrocucurbitacin D diglucoside." *Vopr. Med. Khim.* 1985 Nov-Dec; 31(6): 98-100.

Cellular Protective & Antioxidant Actions:

Nayak, V., et al. "Protection of mouse bone marrow against radiation-induced chromosome damage and stem cell death by the *Ocimum* flavonoids orientin and vicenin." *Radiat. Res.* 2005; 163(2): 165-71.

Uma Devi, P., et al. "Protection against prenatal irradiation-induced genomic instability and its consequences in adult mice by *Ocimum* flavonoids, orientin and vicenin." *Int. J. Radiat. Biol.* 2004; 80(9): 653-62.

Uma Devi, P., et al. "In vivo radioprotection by ocimum flavonoids: survival of mice." *Radiat. Res.* 1999; 151(1): 74-8.

Vrinda, B., et al. "Radiation protection of human lymphocyte chromosomes *in vitro* by orientin and vicenin." *Mutat. Res.* 2001; 498 (1-2): 39-46.

Huguet, A. I., et al. "Superoxide scavenging properties of flavonoids in a non-enzymic system." *Z. Natur. Forsch.* 1990; 45(1-2): 19-24.

Antimicrobial & Antiparasitic Actions:

Truiti, M.C., et al. "Antiprotozoal and molluscicidal activities of five Brazilian plants." *Braz. J. Med. Biol. Res.* 2005; 38(12): 1873-8

Chiappeta, A. D. A., et al. "Higher plants with biological activity—Plants of Pernambuco. I." *Rev. Inst. Antibiot. Univ. Fed. Pernambuco Recife* 1983; 21(1/2): 43-50.

This high quality product is distributed through health food stores, health practitioners and by [Raintree Nutrition](#). Please contact a health professional concerning other observations and/or effects of this product and/or if you have any disease, condition or illness for which you are seeking treatment or products for.

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*The statements contained herein have not been evaluated by the Food and Drug Administration.
This product is not intended to treat, cure or prevent any disease.