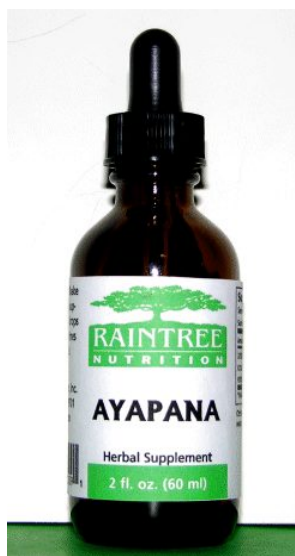


AYAPANA EXTRACT

2 Fluid Ounces / 60 ml

Retail price: \$21.95



Description: Ayapana is an ornamental erect perennial herb with aromatic leaves that grows 20 to 30 cm high. Ayapana is native to South America and can be found in the Amazon region of Brazil, Ecuador, Peru, and the three Guyanas. Ayapana has three different Latin names (*Ayapana triplinervis*, *Eupatorium ayapana*, and *E. triplinerve*) but all three names refer to the same plant. For more complete information on this unique rainforest plant, please see the Raintree Nutrition internet website and the online [Tropical Plant Database](#). Raintree's ayapana concentrated extract uses proprietary extraction methods to concentrate and preserve the active ingredients found in this rainforest plant. Concentration methods provide the equivalent of 500 milligrams of herb per milliliter of extract. Made with vegetable glycerine and purified water, it contains no alcohol.

Traditional Uses:* as a stomachic for digestive problems (nausea, vomiting, stomachaches); for coughs, sore throat, colds, and bronchitis; for ulcers (mouth, skin, gastric); for cuts, scrapes, and wounds; for tumors

Ingredients: 100% pure ayapana leaves (*Ayapana triplinervis*) extracted in distilled water and vegetable glycerine. 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 Peruvian Amazon without any pesticides or fertilizers.

Suggested Use: Take 60 drops (2 ml) 2-3 times daily or as needed.

Contraindications: Ayapana leaves contain naturally occurring coumarins. Coumarin has an anti-coagulant and blood thinning effect and is a precursor to coumadin drugs. Consult with your physician before taking this plant if you are taking coumadin drugs or if coumadin anticoagulant type drugs are contraindicated for your condition.

Drug Interactions: Ayapana may enhance or increase the effect of blood-thinning medications.

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

Blood-Thinning Actions:

Bose, P. K., et al. "Haemostatic agents. Part II. Experiments with ayapanin and ayapin." *Nature* 1937; 139: 515.

Bose, P.K., et al. "Haemostatic agents. Part I. Experiments with avapanin and ayapin." *Annals Biochem. Expt. Med.* 1931; 1: 311-316.

da Souza, J. A., et al. "Blood coagulation activity of the Ayapin, (6,7-metilen-dioxy-coumarin) obtained from *Alomia fastigiata* Benth (Compositae)." *Rev. Fac. Farm. Odontol. Araraquara.* 1974 Jul-Dec; 8(2): 123-7.

Adaval, S. C., et al. "Effect of vitamin K 3 and ayapana on blood coagulation of normal buffalo calves." *Indian J. Physiol. Pharmacol.* 1970 Jul; 14(3): 207.

Cytotoxic & Anticancerous Actions:

Kawase, M., et al. "Coumarin derivatives with tumor-specific cytotoxicity and multidrug resistance reversal activity." *In Vivo.* 2005 Jul-Aug; 19(4): 705-11.

Watanabe, J., et al. "Coumarin and flavone derivatives from estragon and thyme as inhibitors of chemical mediator release from RBL-2H3 Cells." *Biosci. Biotechnol. Biochem.* 2005; 69(1): 1-6.

Antimicrobial Actions:

Jelager, L., et al. "Antibacterial and antifungal activity of medicinal plants of Mauritius." *Pharmaceutical Biol.* 1998; 36:153-161.

Gupta, M., et al. "Antimicrobial activity of *Eupatorium ayapana*." *Fitoterapia.* 2002; 73 (2):168-170.

Verpoorter, R., et al. "Medicinal plants of Surinam. IV. Antimicrobial activity of some medicinal plants." *J. Ethnopharmacol.* 1987; 21: 315-318.

Chaurasia, S. C., et al. "Activity of essential oils of three medicinal plants against various pathogenic and nonpathogenic fungi. *Indian J. Hosp. Pharm.* 1978; 15 pp. 139-141.

Sharma, S. K., et al. "The antifungal activity of some essential oils." *Indian Drugs Pharm Ind.* 1979; (14) 1: 3-6.

Garg, S. C., et al. "Studies on the essential oil from the flowers of *Eupatorium triplinerve*." *Indian Perfum* 1993; 37 (4): 318-323.

Kokate, C. K., et al. "Pharmacological studies on the essential oil of *Eupatorium triplinerve*. I. Effects on the central nervous system and antimicrobial activity." *Flavour.* 1971; 2 (3): 177-180.

Insecticidal and Antifeedant Actions:

Facknath, S., et al. "Response of three important insect pests of horticultural crops in Mauritius to extracts of *Ayapana triplinervis*." *Journal of Applied Entomology* 1999b.

Lalljee B., et al. "Biocidal potential of *Eupatorium ayapana* extracts". Book of Abstracts. Symposium on Integrated Pest Management for Sustainable Crop Production, 2-4 Dec. 1997, IARI, New Delhi, India. page 64.

This product is sold through Raintree Nutrition and in retail stores. 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.