

CARQUEJA EXTRACT



2 Fluid Ounces / 60 ml

Retail price: \$21.95

Raintree Nutrition's Concentrated Carqueja Extract uses new and proprietary extraction methods to concentrate and preserve the active ingredients found in this wonderful plant. Concentration and extraction methods provide the equivalent of 500 mg carqueja leaf and stem (*Baccharis genistelloides*) per milliliter of extract. Carqueja is a rich source of flavonoids. Certain flavonoids, such as silymarin in milk thistle, have shown liver-protective properties and are used for many liver conditions in herbal medicine systems.* Carqueja is rather like the South American version of milk thistle. It contains up to 20% flavonoids, including quercetin, luteolin, nepetin, apigenin, and hispidulin. The flavonoids are considered carqueja's main active constituents. Carqueja is a Brazilian plant (cataloged by several botanical names including *Baccharis genistelloides*, *B. triptera*, *B. trinervis*, and *B. trimera*). It has a long history of use as a natural digestive aid and liver-supporting aid in Brazilian herbal medicine.* For more complete information on this rainforest plant, please see the Raintree Nutrition internet website and the online [Tropical Plant Database](#).

Traditional Uses:* for digestive disorders (ulcers, gastroenteritis, acid reflux, and ileocecal valve disorders) and to slow digestion; to tone, balance, and strengthen liver function (also to eliminate liver flukes, increase liver bile and to remove toxins from the liver); for gallbladder disorders (stones, pain, lack of bile, sluggish action, toxin build-up); as a detoxifier (blood, liver, gallbladder, pancreas); for viral infections (stomach viruses, HIV, herpes simplex)

Ingredients: Carqueja whole herb (*Baccharis genistelloides*) extracted in distilled water and 40% ethanol.

Suggested Use: 60 drops (2 ml) 2 or more times daily.

Contraindications:

- Not to be used during pregnancy as carqueja has demonstrated uterine stimulant and abortive effects in rats.
- The use of this plant is contraindicated in persons with low blood pressure due to its documented hypotensive effects.
- Carqueja has been documented to lower blood glucose levels in human and animal studies. As such, it is contraindicated in persons with hypoglycemia. Diabetics should monitor their blood sugar levels more closely if they use carqueja.

Drug Interactions: None reported, however, it may increase the effect of diabetic and antihypertensive drugs.

Other Observations:

- Carqueja has demonstrated antihepatotoxic (liver detoxifying) effects in animal studies. As such, it may speed the clearance of some drugs metabolized in the liver (decrease the half-life), thereby reducing the pharmacological effect (and/or side effects) of certain drugs required to be metabolized in the liver.

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

Antacid & Anti-ulcer Actions:

Gonzales, E., et al. "Gastric cytoprotection of Bolivian medicinal plants." *J. Ethnopharmacol.* 2000; 70(3): 329–33.

Gamberini, M. T., et al. "Ações antiúlcera e antiácida do extracto aquoso e das frações da *Baccharis trimera*." Anais XII Simposio de Plantas Mediciniais do Brasil. UFP: Curitiba, Paraná, 15–17 September 1992.

Sousa, B., et al., "Avaliação da atividade antiúlcera do extrato bruto e frações de *Baccharis trimera*." Anais XII Simposio de Plantas Mediciniais do Brasil. UFP: Curitiba, Paraná, 15–17 September 1992.

Gamberini, M. T., et al. "Inhibition of gastric secretion by a water extract from *Baccharis triptera*. Mart." *Mem. Inst. Oswaldo Cruz*. 1991; 86(Suppl. 2): 137-9.

Liver Protective & Detoxification Actions:

Soicke, H., et al. "Characterisation of flavonoids from *Baccharis trimera* and their antihepatotoxic properties." *Planta Med*. 1987; 53(1): 37-9.

Anti-inflammatory, Muscle Relaxant, & Pain-Relieving Actions:

Abad, M. J., et al. "Anti-inflammatory activity of four Bolivian *Baccharis* species (Compositae)." *J. Ethnopharmacol*. 2006 Feb; 103(3): 338-44.

Coelho, M. G., et al. "Anti-arthritic effect and subacute toxicological evaluation of *Baccharis genistelloides* aqueous extract." *Toxicol. Lett*. 2004 1; 154(1-2): 69-80.

Hnatyszyn, O., et al. "Argentinian plant extracts with relaxant effect on the smooth muscle of the corpus cavernosum of guinea pig." *Phytomedicine*. 2003 Nov; 10(8): 669-74.

Torres, L. M., et al. "Diterpene from *Baccharis trimera* with a relaxant effect on rat vascular smooth muscle." *Phytochemistry*. 2000 Nov; 55(6): 617-9.

Gene, R. M., et al. "Anti-inflammatory and analgesic activity of *Baccharis trimera*: Identification of its active constituents." *Planta Med*. 1996; 62(3): 232-5.

Gene, R. M., et al. "Anti-inflammatory effect of aqueous extracts of three species of the genus *Baccharis*." *Planta Med*. 1992 Dec; 58(6): 565-6.

Antimicrobial Actions:

Betoni, J., et al. "Synergism between plant extract and antimicrobial drugs used on *Staphylococcus aureus* diseases." *Mem. Inst. Oswaldo Cruz*. 2006 Jun; 101(4): 387-90.

Sanchez Palomino, S., et al. "Screening of South American plants against human immunodeficiency virus: preliminary fractionation of aqueous extract from *Baccharis trinervis*." *Biol. Pharm. Bull*. 2002; 25(9): 1147-50.

Abad, M., et al. "Antiviral activity of Bolivian plant extracts." *Gen. Pharmacol*. 1999; 32(4): 499-503.

Abad, M., et al. "Antiviral activity of some South American medicinal plants." *Phytother. Res*. 1999 Mar; 13(2): 142-6.

Robinson, W. E., et al. "Inhibitors of HIV-1 replication that inhibit HIV Integrase." *Proc. Natl. Acad. Sci*. 1996; 93(13): 6326-31.

Abdel-Malek, S., et al. "Drug leads from the Kallawaya herbalists of Bolivia. 1. Background, rationale, protocol and anti-HIV activity." *J. Ethnopharmacol*. 1996; 50(3): 157-66.

Hypoglycemic & Antidiabetic Actions:

Dickel, M., et al. "Plants popularly used for loosing weight purposes in Porto Alegre, South Brazil. *J. Ethnopharmacol*. 2007 Jan; 109(1): 60-71.

Oliveira, A. C., et al. "Effect of the extracts and fractions of *Baccharis trimera* and *Syzygium cumini* on glycaemia of diabetic and non-diabetic mice." *J. Ethnopharmacol*. 2005 Dec; 102(3): 465-9.

Hossen, S., et al. "Evaluacion *in vivo* de la actividad hipoglucemiente de plantas medicinales de los valles altos y bajos de Cochabamba." Ed. Universidad Mayor De San Simón Instituto de Investigaciones Bioquímico-Farmacéuticas-Programa 2001; Cochabamba, Bolivia.

Alonso, P. E., et al. "Uso racional de las plantas medicinales." Ed. *Fin De Siglo Facultad de Química* 1992; Montevideo, Uruguay.

Xavier, A. A., et al. "Effect of an extract of *Baccharis genistelloides* on the glucose level of the blood." *C. R. Seances Soc. Biol. Fil*. 1967; 16(4): 972-4.

Antioxidant Actions:

Simoes-Pires, C. A., et al. "Isolation and on-line identification of antioxidant compounds from three *Baccharis* species by HPLC-UV-MS/MS with post-column derivatisation." *Phytochem. Anal*. 2005 Sep-Oct; 16(5): 307-14.

Melo, S. F., et al. "Effect of the *Cymbopogon citratus*, *Maytenus ilicifolia* and *Baccharis genistelloides* extracts against the stannous chloride oxidative damage in *Escherichia coli*." *Mutat. Res*. 2001 Sep;

496(1-2): 33-8.

Sharp, H., et al. "6-Oxygenated flavones from *Baccharis trinervis* (Asteraceae)." *Biochem. Syst. Ecol.* 2001; 29(1): 105-107.

de las Heras, B., et al. "Antiinflammatory and antioxidant activity of plants used in traditional medicine in Ecuador." *J. Ethnopharmacol.* 1998 Jun; 61(2): 161-6.

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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