

# AMAZON DETOX SUPPORT\*



120 capsules (600 mg each)

Retail price: \$29.95

A synergistic formula of rainforest botanicals traditionally used in South America for detoxification.\* For more complete information on these unique rainforest plant ingredients, please see the Raintree Nutrition internet website and the online [Tropical Plant Database](#).

**Ingredients:** A proprietary blend of sarsaparilla, cat's claw, artichoke, boldo, nettle, carqueja and amor seco.

**Suggested Use:** Take 2 capsules 3 times daily.

**Contraindications:** Not to be used during pregnancy or while breast-feeding.

**Drug Interactions:** None reported.

**Other Observations:**

- Several plants in this formula have been documented with liver detoxing actions. This may affect the absorption of pharmaceutical drugs and/or speed their clearance through the liver, thereby reducing their pharmacological effect.
- Drinking plenty of water (at least 8 glasses a day) is helpful during detoxification programs.

**Clinical Documentation and Research:**\* This proprietary Raintree product has not been the subject of any clinical research. Available third-party documentation and research on each ingredient in this formula can be found at the Raintree website. A partial listing of published third-party research on these ingredients is shown below:

**[Sarsaparilla \(Smilax sp.\)](#)**

Iddamaldeniya, S. S., et al. "A long-term investigation of the anti-hepatocarcinogenic potential of an indigenous medicine comprised of *Nigella sativa*, *Hemidesmus indicus* and *Smilax glabra*." *J. Carcinog.* 2006 May; 5: 11.

Spelman, K., et al. "Modulation of cytokine expression by traditional medicines: a review of herbal immunomodulators." *Altern. Med. Rev.* 2006 Jun; 11(2): 128-50.

Jeon, S. Y., et al. "Beta-secretase (BACE1)-inhibiting stilbenoids from *Smilax* rhizoma." *Phytomedicine.* 2006 Nov 2;

Ban, J. Y., et al. "Catechin and epicatechin from *Smilacis chinae* rhizome protect cultured rat cortical neurons against amyloid beta protein (25-35)-induced neurotoxicity through inhibition of cytosolic calcium elevation." *Life Sci.* 2006 Nov; 79(24):2251-9.

Ban, J. Y., et al. "Protection of amyloid beta protein (25-35)-induced neurotoxicity by methanol extract of *Smilacis chinae* rhizome in cultured rat cortical neurons." *J. Ethnopharmacol.* 2006 Jun; 106(2): 230-7.

Chu, K. T., et al. "Smilaxin, a novel protein with immunostimulatory, antiproliferative, and HIV-1-reverse transcriptase inhibitory activities from fresh *Smilax glabra* rhizomes." *Biochem. Biophys. Res. Commun.* 2006 Feb; 340(1):118-24.

Wang, J., et al. "Astilbin prevents concanavalin A-induced liver injury by reducing TNF-alpha production and T lymphocytes adhesion." *J. Pharm. Pharmacol.* 2004; 56(4): 495-502.

Iddamaldeniya, S. S., et al. "Protection against diethylnitrosoamine-induced hepatocarcinogenesis by an indigenous medicine comprised of *Nigella sativa*, *Hemidesmus indicus* and *Smilax glabra*: a preliminary study." *J. Carcinog.* 2003 Oct; 2(1): 6.

Chen, T., et al. "A new flavanone isolated from *Rhizoma smilacis glabrae* and the structural requirements for its derivatives for preventing immunological hepatocyte damage." *Planta Med.* 1999; 65(1): 56-9.

Ma, D., et al. "Effect of sarsasapogenin and its derivatives on the stimulus coupled responses of human neutrophils." *Clin. Chim. Acta.* 2001 Dec; 314(1-2): 107-12.

Trouillas, P., et al. "Structure-function relationship for saponin effects on cell cycle arrest and apoptosis in the human 1547 osteosarcoma cells: a molecular modelling approach of natural molecules structurally close to diosgenin." *Bioorg. Med. Chem.* 2005 Feb; 13(4): 1141-9.

Thabrew, M. I., et al. "Cytotoxic effects of a decoction of *Nigella sativa*, *Hemidesmus indicus* and *Smilax*

*glabra* on human hepatoma HepG2 cells." *Life Sci.* 2005 Aug; 77(12): 1319-30.

Ooi, L. S., et al. "New mannose-binding lectin isolated from the rhizome of Sarsaparilla *Smilax glabra* Roxb. (Liliaceae)." *J. Agric. Food Chem.* 2004 Oct; 52(20): 6091-5.

Caceres, A., et al. "Plants used in Guatemala for the treatment of dermatophytic infections. 1. Screening for antimycotic activity of 44 plant extracts." *J. Ethnopharmacol.* 1991; 31(3): 263-76.

### **Cat's Claw (*Uncaria tomentosa*)**

Mammone, T., et al. "A water soluble extract from *Uncaria tomentosa* (Cat's Claw) is a potent enhancer of DNA repair in primary organ cultures of human skin." *Phytother. Res.* 2006; 20(3): 178-83.

Kuras, M., et al. "Changes in chromosome structure, mitotic activity and nuclear DNA content from cells of *Allium Test* induced by bark water extract of *Uncaria tomentosa* (Willd.) DC." *J. Ethnopharmacol.* 2006 Sep; 107(2): 211-21.

Pilarski, R., et al. "Antioxidant activity of ethanolic and aqueous extracts of *Uncaria tomentosa* (Willd.) DC." *J. Ethnopharmacol.* 2006 Mar; 104(1-2): 18-23.

Gonzales, G.F., et al. "Medicinal plants from Peru: a review of plants as potential agents against cancer." *Anticancer Agents Med. Chem.* 2006 Sep; 6(5): 429-44.

De Martino, L., et al. "Proapoptotic effect of *Uncaria tomentosa* extracts." *J. Ethnopharmacol.* 2006 Aug; 107(1): 91-4.

Cisneros, F. J., et al. "An *Uncaria tomentosa* (cat's claw) extract protects mice against ozone-induced lung inflammation." *J. Ethnopharmacol.* 2005 Jan; 96(3): 355-64.

Goncalves, C., et al. "Antioxidant properties of proanthocyanidins of *Uncaria tomentosa* bark decoction: a mechanism for anti-inflammatory activity." *Phytochemistry.* 2005; 66(1): 89-98.

Romero-Jimenez, M., et al. "Genotoxicity and anti-genotoxicity of some traditional medicinal herbs." *Mutat. Res.* 2005 Aug; 585(1-2): 147-55.

Pilarski, R., et al. "Antioxidant activity of ethanolic and aqueous extracts of *Uncaria tomentosa* (Willd.) DC." *J. Ethnopharmacol.* 2005 Sep 29;

Sheng, Y., et al. "DNA repair enhancement of aqueous extracts of *Uncaria tomentosa* in a human volunteer study." *Phytomedicine.* 2001; 8(4): 275-82.

Sheng, Y., et al. "Enhanced DNA repair, immune function and reduced toxicity of C-Med-100, a novel aqueous extract from *Uncaria tomentosa*." *J. Ethnopharmacol.* 2000; 69(2): 115-26.

Sandoval, M., et al. "Cat's claw inhibits TNF $\alpha$  production and scavenges free radicals: role in cytoprotection." *Free Radic. Biol. Med.* 2000; 29(1): 71-8.

Desmarchelier, C., et al. "Evaluation of the *in vitro* antioxidant activity in extracts of *Uncaria tomentosa* (Willd.) DC." *Phytother. Res.* 1997; 11(3): 254-256.

### **Artichoke (*Cynara scolymus*)**

Hiner, A. N., et al. "Kinetic study of the effects of calcium ions on cationic artichoke (*Cynara scolymus* L.) peroxidase: calcium binding, steady-state kinetics and reactions with hydrogen peroxide." *Biochimie.* 2004; 86(9-10): 667-76.

Saenz Rodriguez, T., et al. "Choleretic activity and biliary elimination of lipids and bile acids induced by an artichoke leaf extract in rats." *Phytomedicine.* 2002 Dec; 9(8): 687-93.

Gebhardt, R. "Anticholestatic activity of flavonoids from artichoke (*Cynara scolymus* L.) and of their metabolites." *Med. Sci. Monit.* 2001; (7) Suppl. 1: 316-20.

Speroni, E., et al. "Efficacy of different *Cynara scolymus* preparations on liver complaints." *J. Ethnopharmacol.* 2003 Jun; 86(2-3): 203-11.

Gebhardt, R. "Prevention of taurolythate-induced hepatic bile canalicular distortions by HPLC-characterized extracts of artichoke (*Cynara scolymus*) leaves." *Planta Med.* 2002; 68(9): 776-79.

Aktay, G., et al. "Hepatoprotective effects of Turkish folk remedies on experimental liver injury." *J. Ethnopharmacol.* 2000 Nov; 73(1-2): 121-9.

Adzet, T., et al. "Hepatoprotective activity of polyphenolic compounds from *Cynara scolymus* against CCl<sub>4</sub> toxicity in isolated rat hepatocytes." *J. Nat. Prod.* 1987; 50(4): 612-17.

Maros, T., et al. "Effects of *Cynara scolymus* extracts on the regeneration of rat liver. 1." *Arzneimittelforschung* 1966; 16(2): 127-29.

Zhu, X., et al. "Phenolic compounds from the leaf extract of artichoke (*Cynara scolymus* L.) and their antimicrobial activities." *J. Agric. Food Chem.* 2004 Dec; 52(24): 7272-8.

### **Boldo (*Peumus boldus*)**

- O'Brien, P., et al. "Boldine and its antioxidant or health-promoting properties." *Chem. Biol. Interact.* 2006 Jan; 159(1): 1-17.
- Hidalgo, M., et al. "Photostability and photoprotection factor of boldine and glaucine." *J. Photochem. Photobiol. B.* 2005 Jul; 80(1): 65-9.
- Kubinova, R., et al. "Chemoprotective activity of boldine: modulation of drug-metabolizing enzymes." *Pharmazie.* 2001; 56(3): 242-43.
- Jimenez, I., et al. "Biological disposition of boldine: *in vitro* and *in vivo* studies." *Phytother. Res.* 2000 Jun; 14(4): 254-60.
- Jang, Y. Y., et al. "Protective effect of boldine on oxidative mitochondrial damage in streptozotocin-induced diabetic rats." *Pharmacol. Res.* 2000; 42(4): 361-71.
- Bannach, R., et al. "Cytoprotective and antioxidant effects of boldine on tert-butyl hydroperoxide-induced damage to isolated hepatocytes." *Cell Biol. Toxicol.* 1996 Apr; 12(2): 89-100.
- Kringstein, P., et al. "Boldine prevents human liver microsomal lipid peroxidation and inactivation of cytochrome P4502E1." *Free Radic. Biol. Med.* 1995; 18(3): 559-63.
- Cederbaum, A. I., et al. "Inhibition of rat liver microsomal lipid peroxidation by boldine." *Biochem, Pharmacol.* 1992 Nov; 44(9): 1765-72.
- Lanthers, M. C., et al. "Hepatoprotective and anti-inflammatory effects of a traditional medicinal plant of Chile, *Peumus boldus*." *Planta Med.* 1991; 57(2): 110-15.

### **Nettle (*Urtica dioica*)**

- Lopatkin, N. A., et al. "Combined extract of Sabal palm and nettle in the treatment of patients with lower urinary tract symptoms in double blind, placebo-controlled trial." *Urologija.* 2006 Mar-Apr; 12(2): 14-9.
- Avci, G., et al. "Antihypercholesterolaemic and antioxidant activity assessment of some plants used as remedy in Turkish folk medicine." *J. Ethnopharmacol.* 2006 Oct; 107(3): 418-23.
- Daher, C. F., et al. "Effect of *Urtica dioica* extract intake upon blood lipid profile in the rats." *Fitoterapia.* 2006 Apr; 77(3): 183-8.
- Harput, U.S., et al. "Stimulation of lymphocyte proliferation and inhibition of nitric oxide production by aqueous *Urtica dioica* extract." *Phytother. Res.* 2005; 19(4): 346-8.
- Konrad, A., et al. "Ameliorative effect of IDS 30, a stinging nettle leaf extract, on chronic colitis." *Int. J. Colorectal Dis.* 2005; 20(1): 9-17.
- Akbay, P., et al. "*In vitro* immunomodulatory activity of flavonoid glycosides from *Urtica dioica* L." *Phytother. Res.* 2003; 17(1): 34-7.
- Gulcin, I., et al. "Antioxidant, antimicrobial, antiulcer and analgesic activities of nettle (*Urtica dioica* L.)." *J. Ethnopharmacol.* 2004; 90(2-3): 205-15.
- Teucher, T., et al. "Cytokine secretion in whole blood of healthy subjects following oral administration of *Urtica dioica* L. plant extract." *Arzneimittelforschung.* 1996; 46(9): 906-10.
- Wagner, H., et al. "Biologically active compounds from the aqueous extract of *Urtica dioica*." *Planta Med.* 1989; 55(5): 452-4.
- Le Moal, M. A., et al. "*Urtica dioica* agglutinin, a new mitogen for murine T lymphocytes: unaltered interleukin-1 production but late interleukin 2-mediated proliferation." *Cell Immunol.* 1988; 115(1): 24-35.
- Kanter, M., et al. "Hepatoprotective effects of *Nigella sativa* L and *Urtica dioica* L on lipid peroxidation, antioxidant enzyme systems and liver enzymes in carbon tetrachloride-treated rats." *World J. Gastroenterol.* 2005 Nov; 11(42): 6684-8.
- Turkdogan, M.K., et al. "The role of *Urtica dioica* and *Nigella sativa* in the prevention of carbon tetrachloride-induced hepatotoxicity in rats." *Phytother. Res.* 2003 Sep; 17(8): 942-6.

### **Carqueja (*Baccharis genistelloides*)**

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

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.  
Soicke, H., et al. "Characterisation of flavonoids from *Baccharis trimera* and their antihepatotoxic properties." *Planta Med.* 1987; 53(1): 37-9.  
Gonzales, E., et al. "Gastric cytoprotection of Bolivian medicinal plants." *J. Ethnopharmacol.* 2000; 70(3): 329-33.

### **Amor Seco (*Desmodium adscendens*)**

Addy, M. E., et al. "Some secondary plant metabolites in *Desmodium adscendens* and their effects on arachidonic acid metabolism." *Prostaglandins Leukotrienes Essent. Fatty Acids* 1992; 47(1): 85-91.  
Barreto, G. S. "Effect of butanolic fraction of *Desmodium adscendens* on the anococcygeus of the rat." *Braz. J. Biol.* 2002; 62(2): 223-30.  
Addy, M. E., et al. "Dose-response effects of *Desmodium adscendens* aqueous extract on histamine response, content and anaphylactic reactions in the guinea pig." *J. Ethnopharmacol.* 1996; 18(1): 13-20.  
Addy, M. E., et al. "An extract of *Desmodium adscendens* activates cyclooxygenase and increases prostaglandin synthesis by ram seminal vesicle microsomes." *Phytother. Res.* 1995; 9(4): 287-93.  
McManus, O. B., et al. "An activator of calcium-dependent potassium channels isolated from a medicinal herb." *Biochemistry* 1993; 32(24): 6128-33.  
N'Gouemo, P., et al. "Effects of an ethanolic extract of *Desmodium adscendens* on central nervous system in rodents." *J. Ethnopharmacol.* 1996; 52(2): 77-83.

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**Manufactured By:**  
**Raintree Nutrition, Inc.**  
3579 Hwy 50 East, Suite 222  
Carson City, Nevada 89701  
(800) 780-5902 (775) 841-4142  
[www.RaintreeNutrition.com](http://www.RaintreeNutrition.com)



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