



Artemisinin

Pure Qinghaosu from *Artemisia Annua*

Pure artemisinin, or Qinghaosu, is the active constituent of the herb *Artemisia annua* (sweet wormwood). Good quality *Artemisia annua* contains 0.3-0.5% artemisinin, so pure artemisinin provides hundreds of times more of the active constituent artemisinin than the whole herb itself. Research has shown artemisinin to be particularly beneficial in balancing the microbiology of the GI tract.*

Our **Artemisinin** has had independent cell tests verifying its effectiveness, and we do independent potency assays on every batch, using HPLC. Numerous practitioners have chosen ARG artemisinin as part of the nutritional supplement program they utilize in their practice.*

PhytoArtemisinin provides artemisinin with gleditsia extract, a phytosaponin.

"Artemisinin is a powerful oxidant. I have used it orally along with herbal extracts, such as berberine, grapefruit seed extract and oregano oil." - Leo Galland, MD

"I have been very impressed by the efforts of ARG to perform both purity analysis and activity analysis on its artemisinin. For me, it was not even necessary, since I had already observed the awesome clinical efficacy of the product in patient after patient. I am grateful that this product is available and at a most reasonable price." - Robert Jay Rowen, MD



Item #72160 • Artemisinin
90 vegetarian capsules

Item #75680 • Artemisinin
300 vegetarian capsules

Artemisinin

Artemisinin

90 vegetarian capsules • 72160
300 vegetarian capsules • 75680

Supplement Facts

Serving Size 2 Capsules
Servings Per Container 45 or 150

Amount Per Serving	% Daily Value
Artemisinin 200 mg	†

† Daily Value not established.



Other ingredients: Hydroxypropyl methylcellulose, microcrystalline cellulose, rice hull concentrate, gum arabic, sunflower oil.

Suggested Use: As a dietary supplement, 1 or 2 capsules one or two times daily before meals, or as directed by a healthcare practitioner. Artemisinin is best taken as part of a program that includes appropriate liver support nutrients. Sensitive individuals may want to take with food.

PhytoArtemisinin

90 vegetarian capsules • 74990

Supplement Facts

Serving Size 2 Capsules
Servings Per Container 45

Amount Per Serving	% Daily Value
Gleditsia (Spine) Extract (30% Saponins) 700 mg	†
Artemisinin 200 mg	†

† Daily Value not established.



Other ingredients: Hydroxypropyl methylcellulose, L-leucine.

Suggested Use: As a dietary supplement, 1 or 2 capsules one or two times daily before meals, or as directed by a healthcare practitioner. Artemisinin is best taken as part of a program that includes appropriate liver support nutrients. Sensitive individuals may want to take with food.

Caution: Not indicated for pregnant or nursing women. This product should only be used under the guidance of a qualified healthcare practitioner with ongoing monitoring of liver enzymes and hemoglobin during its use. In rare cases may cause idiosyncratic liver dysfunction. Combining with antioxidants or iron may theoretically decrease effectiveness.

References:

- Ames JR, Ryan MD, et al. J. Free Rad Biol. Med 1985; 1:353-61.
- Beekman AC, Wierenga PK, Woerdenbag HJ, Van Uden W, Pras N, Konings AW, el-Feraly FS, Galal AM, Wikstrom HV. Planta Med. 1998 Oct;64(7):615-9.
- Beekman AC, Woerdenbag HJ, Van Uden W, Pras N, Konings AW, Wikstrom HV. J Pharm Pharmacol. 1997 Dec;49(12):1254-8.
- Bharel S, Gulati M, Abdin P, Srivastava S. Fitoterapia Vol LXVII No 5, 1996.
- Borstnik K, Paik I, Shapiro TA, Posner GH. Int J Parasitol. 2002 Dec;32(13):1661-7.
- China Cooperative Research Group. J. Trad. Chin. Med 2, 17, 1982.
- Efferth T, Dunstan H, Sauerbrey A, Miyachi H, Chitambar CR. Oncol. 2001, Apr;18(4):767-73.
- Efferth T, Olbrich A, Bauer R. Biochem Pharmacol. 2002 Aug 15;64(4):617-23.
- Fishwick J, Edwards G, Ward SA, McLean WG. Neurotoxicology. 1998 Jun;19(3):393-403.
- Gulati A, Bharel S, Srivastava M, Abdin MZ. Fitoterapia Vol LXVII No 5, 1996.
- Keith Arnold, Tran Tinh Hien, et al. Transactions of the Royal Society of Tropical Medicine and Hygiene (1990) 84:499-502.
- Klayman D. Science, 1985, Vol. 238, May 31, p.1049
- Krungkrai SR, Yuthavong. Trans. R Soc. Trop. Med Hyg 1987, 81:710-4.
- Lee CH, Hong H, Shin J, Jung M, Shin I, Yoon J, Lee W. Biochem Biophys Res Commun. 2000 Aug 2;274(2):359-69.
- Levander OA, Ager AL, Morris VC. Am. J. Clin. Nutr. 1989; 5:346-52.
- Lu L. Zhongguo Zhong Xi Yi Jie He Za Zhi. 2002 Mar;22(3):169-71. Chinese.
- McLean WG, Ward SA. Med Trop (Mars). 1998;58(3 Suppl):28-31.
- Meshnick SR. Int J Parasitol. 2002 Dec;32(13):1655-60.
- Moore JC, Lai H, Li JR, Ren RL, McDougall JA, Singh NP, Chou CK. Cancer Lett. 1995 Nov 27;98(1):83-7.
- Mturi N, Musumba C, Wamola B, Ogutu B, Newton C. CNS Drugs. 2003;17(3):153-65.
- Mukanganyama S, Widersten M, Naik YS
- Mannervik B, Hasler JA. Int J Cancer. 2002 Feb 10;97(5):700-5.
- Phan CT, de Vries PJ, Tran BQ, Le HQ, Nguyen NV, Nguyen TV, Heisterkamp SH, Kager PA. Trop Med Int Health. 2002 Oct;7(10):858-64.
- Posner GH, Northrop J, Paik IH, Borstnik K, Dolan P, Kensler TW, Xie S, Shapiro TA. Bioorg Med Chem. 2002 Jan;10(1):227-32.
- Posner GH, Paik IH, Sur S, McRiner AJ, Borstnik K, Xie S, Shapiro TA. J Med Chem. 2003 Mar 13;46(6):1060-1065.
- Posner GH, Ploypradith P, Parker MH, O'Dowd H, Woo SH, Northrop J, Krasavin M, Dolan P, Kensler TW, Xie S, Shapiro TA. J Med Chem. 1999 Oct 21;42(21):4275-80.
- Reungpatthanaphong P, Mankhetkorn S. Biol Pharm Bull. 2002 Dec;25(12):1555-61.
- Sidhu AB, Verdier-Pinard D, Fidock DA. Science 2002 Oct 4;298(5591):210-3.
- Singh NP, Lai H. Life Sci. 2001 Nov 21;70(1):49-56.
- Smith H, Crandall I, et al. Mem Inst Oswaldo Cruz. 1992;87 Suppl 3:303-12.
- Smith SL, Maggs JL, Edwards G, Ward SA, Park BK, McLean WG. Neurotoxicology. 1998 Aug-Oct;19(4-5):557-9.
- Sternitz FR, Scriven LN, Tegos G, Lewis K. Planta Med. 2002 Dec;68(12):1140-1.
- Sun WC, Han JX, Yang WY, Deng DA, Yue XF. Zhongguo Yao Li Xue Bao. 1992 Nov;13(6):541-3. Chinese.
- Walgate R. Bull World Health Organ. 2002;80(8):685-6.
- White NJ, Pongtavornpinyo W. Proc R Soc Lond B Biol Sci. 2003 Mar 7;270(1514):545-54.
- Wilairatana P, Krudsood S, Treepersatsuk S, Chalermrut K, Looreesuwan S. Arch Med Res. 2002 Jul-Aug;33(4):416-21.
- Woerdenbag HJ, Moskal TA, Pras N, Malingre TM, el-Feraly FS, Kampinga HH, Konings AW. J Nat Prod. 1993 Jun;56(6):849-56.
- Wong JW, Yuen KH, Nagappan S, Shahul WS, et al. J Pharm Pharmacol. 2003 Feb;55(2):193-8.
- Zhai ZL, Xiao SH. Zhongguo Ji Sheng Chong Xue Yu Ji Sheng Chong Bing Za Zhi. 2001;19(3):182-5. Chinese.
- Zhang JT. Therapie. 2002 Mar-Apr;57(2):137-50.
- Zheng GQ. Planta Med. 1994 Feb;60(1):54-7.