



# TAMAMURI EXTRACT

**2 Fluid Ounces (60 ml)**

**Retail price: \$23.00**

**Description:** Tamamuri is a large canopy tree of the Amazon rainforest that grows 15 to 25 m high. It is found throughout the lower elevations of the Amazon basin, usually growing alongside streams and rivers. The bark of this rainforest tree has a long history of use among the Indians and local people in the Amazon.\* For more complete information on this unique rainforest plant, please see the Raintree Nutrition internet website and the online [Tropical Plant Database](#).

**Traditional Uses:\*** for arthritis, rheumatism and rheumatoid arthritis; for general pain and inflammation (i.e.; muscle pain, injuries, headaches, etc.); for syphilis; for yeast infections (candida) and skin fungi; for gastric ulcers (*H. pylori*) and other gastrointestinal problems

**Ingredients:** 100% pure tamamuri bark (*Brosimum acutifolium*) extracted in distilled water and ethanol. No chemical additives or preservatives are used. Concentration and extraction methods provide the equivalent of 500 mg tamamuri bark per milliliter of extract. 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 - 3 times daily or as needed.

**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 clinical research on tamamuri be found at the [Raintree website](#). A partial listing of the research on tamamuri is shown below:

## **Anti-inflammatory and PKC Inhibitory Actions:**

Dos Santos, M. C., et al. "Avaliação do tratamento da artrite induzida por adjuvante completo de Freund em ratos Lewis com as frações isoladas de *Brosimum acutifolium*." Proceedings of the XV Congresso de Iniciação Científica da UFAM. Brazil. Aug. 2003; page 223.

Dos Santos, M. C., et al. "Avaliação da toxicidade do extrato hidro-alcoólico e das frações isoladas de *Brosimum acutifolium* no tratamento da artrite induzida por adjuvante completo de Freund em ratos Lewis." Proceedings of the XV Congresso de Iniciação Científica da UFAM. Brazil. Aug. 2003; page 222.

Takashima, J., et al. "Mururins A-C, three new lignoids from *Brosimum acutifolium* and their protein kinase inhibitory activity." *Planta Med.* 2002; 68(7): 621-625.

Aksoy, E., et al. "Protein kinase C epsilon: A new target to control inflammation and immune-mediated disorders." *Int. J. Biochem. Cell Biol.* 2004; 36(2): 183-8.

## **Cytotoxic & Antitumor Actions:**

Stallings-Mann, M., et al. "A novel small-molecule inhibitor of protein kinase Ciota blocks transformed growth of non-small-cell lung cancer cells." *Cancer Res.* 2006 Feb; 66(3):1767-74.

Cohen, E. E., et al. "Protein kinase C zeta mediates epidermal growth factor-induced growth of head and neck tumor cells by regulating mitogen-activated protein kinase." *Cancer Res.* 2006 Jun; 66(12): 6296-303.

Monks, N. R., et al. "Anti-tumour screening of Brazilian plants." *Pharma. Biol.* 2002; 40(8): 603-616.  
Brosimacutins J-M, four new flavonoids from *Brosimum acutifolium* and their cytotoxic activity." *Planta*

Med. 2005; 71(7): 654-8.

**Antimicrobial Actions:**

Herforth, A., et al. "Amazonian Women's Medicine: Treatments for Mycoses." Poster: Society for Economic Botany 2002 vol 56(4).

Herforth, A., et al. "Antifungal plants of the Peruvian Amazon: A survey of ethnomedical uses and biological activity." Cornell University Publication 2002

**Chemicals Identified:**

Torres, S. L., et al. "Two flavans from *Brosimum acutifolium*." *Phytochemistry*. 1997; 44(2): 347-349.

Ferrari, F., et al. "(-)-epicatechin 5-o-beta-d-xylopyranoside from *Brosimopsis acutifolium*." *Phytochemistry*. 1998; 47(6): 1165-1166.

Torres, S. L., et al. "Flavonoids from *Brosimum acutifolium*." *Phytochemistry*. 2000; 53(8): 1047-1050.

Teixeira, A. F., et al. "Structure determination by H and C NMR of a new flavan isolated from *Brosimum acutifolium*: 4',7-dihydroxy-8-prenylflavan." *Magn. Reson. Chem.* 2000: 38(4): 301-304.

Takashima, J., et al. "Acutifolins A-F, a new flavan-derived constituent and five new flavans from *Brosimum acutifolium*." *J. Nat. Prod.* 2001: 64(12): 1493-1496.

Takashima, J., et al. Brosimacutins A-I, nine new flavonoids from *Brosimum acutifolium*." *J. Nat. Prod.* 2002; 65(12): 1843-1847.

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.