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## GRAVIOLA ENHANCED

### ESPECIES:

- *Annona muricata*
- *Uncaria tomentosa*
- *Tabebuia serratifolia*
- *Polypodium decumanum*
- *Curcuma longa*

### CONDICIONES DE SALUD

- Cáncer de próstata, mama, pulmón, páncreas, hígado, riñón, colon, cerebro, lengua
- Leucemia
- Tumores
- HIV
- Inflamación de la próstata
- Infecciones
- Hipertensión
- Depresión
- Palpitaciones
- Ansiedad
- Espasmos

### USOS TRADICIONALES

- Contra el cáncer
- Tumores
- Antiespasmódica
- Sedativa
- Taquicardia
- Tos
- Gripes o resfríos
- Asma
- Hipertensión arterial
- Depresión
- Inflamación de la próstata

### ESTUDIOS MODERNOS

- Contra el cáncer de próstata, pulmón, mama, riñones, hígado, páncreas, colon
- Contra la depresión
- Antiviral contra el Herpes simplex
- Contra el dolor
- Anti inflamatoria
- Leucemia mieloide aguda
- Psoriasis



- Antioxidante

### EXPERIENCIAS TESTIMONIALES

- Contra el cáncer de lengua, de cerebro
- Leucemia

**UBICACIONES:** La Graviola se encuentra en el Perú y otros países de América, Uña de Gato en el Perú y Brasil, Tahuarí en Perú y Brasil, Calaguala y Cúrcuma en todas las regiones tropicales y subtropicales.

### DESCRIPCIONES:

#### *Annona Muricata*

El árbol es relativamente bajo de entre 3 y 10 metros de altura, de copa angosta y abierta.

Las hojas son simples, alternas y sin estípulas, obovadas verde oscuro, brillante, envés opaco amarillento. De 5 a 18 centímetros de largo y de 2 a 7 de ancho.

Las flores son bisexuales, con 6 pétalos amarillo pálido, 3 exteriores grandes y gruesos, 3 interiores pequeños y delgados, con numerosos estambres y ovarios; cáliz con 3 sépalos disminuidos.

El fruto es ovoide o elipsoide entre 15 y 40 centímetros de largo y entre 10 y 20 de ancho, a menudo asimétrico, cubierto de espinas suaves carnosas. La cáscara es suave y delgada, la pulpa es blanca, cremosa, carnosa, jugosa y sub ácida. Contiene numerosas semillas de color negro lustroso, oblongas u ovoides, de 15 a 20 milímetros de largo.

#### *Uncaria tomentosa*

Liana silvestre y cultivada. Tiene espinas poco curvadas, son tomentosas en las ramas jóvenes, y glabras en las viejas. Hojas con peciolos cortos, oval-aovadas, envés tomentoso. Flores con pedúnculos pubescentes, 3 a 5 ramas con numerosas cabezuelas, flores sésiles, corola de 4.5 a 6 mms. Cáliz de 2mm, estilo glabro de 6.5 a 9 mm, estigma capituliforme. Frutos en cápsula de 6 a 8 cms y semillas de 2 a 3 mm.

#### *Tabebuia serratifolia*

Árbol de fuste aplanado, de hasta 30 mts de altura, copa amplia con ramas gruesas, corteza rugosa y fisurada, según la especie específica las flores son de un rosado intenso, amarillas y de otros colores. Su madera es muy apreciada. Contiene Lapachol

#### *Polypodium decumanum*

Helecho semiepífito con rizoma robusto. Lámina foliar pinnatífida brillante

#### *Curcuma longa*

Es una planta herbácea de la familia de las zingiberáceas, se usa el rizoma

### FUENTES

#### *Annona muricata*

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Source: *Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry* (Formerly *Cu*, Volume 9, Number 2, June 2010, pp. 142-149(8)

*Anapsos (Polypodium leucotomos)*: Neuroimmunotropic Treatment in Alzheimer Disease and Neurodegenerative Disorders

Antón Alvarez<sup>1</sup>, José J. Miguel-Hidalgo<sup>1</sup>, Lucía Fernandez-Novoa<sup>1</sup>, Joaquín Díaz<sup>2</sup>, José M. Sempere<sup>2</sup>, Ramón Cacabelos<sup>1,\*</sup> SEP 2006

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Immunomodulatory properties of a hydrophilic extract of *Polypodium leucotomos*

Aurora Brieva, Antonio Guerrero and Juan Pablo Pivel

Topical or oral administration with an extract of *Polypodium leucotomos* prevents acute sunburn and psoralen-induced phototoxic reactions as well as depletion of Langerhans cells in human skin S. González<sup>1</sup>, M. A. Pathak<sup>1,\*</sup>, J. Cuevas<sup>2</sup>, V. G. Villarrubia<sup>3</sup>, T. B. Fitzpatrick<sup>1</sup> first published online 6 SEP 2011

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Department of Pharmacology and Toxicology, Faculty of Pharmacy, Minia University, Minia, Egypt

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Anti-proliferative potential of curcumin in androgen-dependent prostate cancer cells occurs through modulation of the Wingless signaling pathway.

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