



- **Latin Name:** Adhatoda Vasica
- **Active Ingredient:** vasicine
- **CAS No.:** 6159-56-4
- **Test method:** TLC
- **Specifications:** 5:1

#### **Product Description:**

**Name :** Adhatoda Vasica Extract

**Source:** Adhatoda Vasica( Malabar nut, adulsa, adhatoda, vasa, or vasaka)

**Botanical Name :** Adhatoda Vasica(Justicia adhatoda)

**Extract part:** Leaf

**Composition Ratio :** 5:1

**Appearance:** Brown fine powder

**Country of origin:** P.R. China

#### **Source**

Adhatoda vasica ,commonly known in English as Malabar nut,is a small evergreen herbaceous bush that native to Asia and has been widely used in Siddha Medicine, Ayurvedic and Unani systems of medicine for over 2000 years.It has flowers are white petals flowers with streaked purple on the lower lip and broad, lance-shaped leaves 10 to 15 centimeters in length and 5 centimeters wide. The leaves become greenish-brown when dried and have a bitter taste.

The plant's range includes Sri Lanka, Nepal, India, Pakistan, Indonesia, Malaysia, and China, as well as Panama where it is thought to have been introduced.

#### **Main bio-active**

Adhatoda vasica contains numbers of components that are especially abundant in the leaves of Adhatoda vasica ,such phytochemicals includes alkaloids, tannins, saponins, phenolics and flavonoids. The most important is vasicine, a quinazoline alkaloid available in different parts of the herb currently developed in to the mucolytic drug bromhexine .The vasicine yield of the herbage has been measured as 0.541 to 1.1% by dry weight.

#### **Antiasthmatic and bronchitic activity**

According to Journal of Ethnopharmacology it is acknowledged Adhatoda vasica has been used in traditional Indian medicine for the treatment of various diseases and disorders, particularly for the

--Kumar, M., Kumar, A., Dandapat, S. and Sinha, M. P. Phytochemical screening and antioxidant potency of *Adhatoda vasica* and *Vitex negundo*, *The Bioscan*; 8(2): 727-730, 2013

--"Facts about for Malabar Nut (*Justicia adhatoda*)". Encyclopedia of Life. Retrieved 3 January 2013

--Health Benefits of *Adhatoda Vasica*; <http://www.bitterrootrestoration.com/health-care/health-benefits-of-adhatoda-vasica.html>

--Ubonwan P Claesona, Torbjörn Malmforsb, Georg Wikmanc, Jan G Bruhna; "Adhatoda vasica: a critical review of ethnopharmacological and toxicological data"; *Journal of Ethnopharmacology* Volume 72, Issues 1–2, 1 September 2000, Pages 1–20

--Deepak K Jha, Likun Panda, P. Lavanya, Sudha Ramaiah, Anand Anbarasu; "Detection and Confirmation of Alkaloids in Leaves of *Justicia adhatoda* and Bioinformatics Approach to Elicit Its Anti-tuberculosis Activity"; *Applied Biochemistry and Biotechnology* November 2012, Volume 168, Issue 5, pp 980-990

--Claeson UP, Malmfors T, Wikman G, Bruhn JG; "Adhatoda vasica: a critical review of ethnopharmacological and toxicological data."; *The Journal of Ethnopharmacology*

