



# SRI SIVANI COLLEGE OF PHARMACY

(Under the Management of Sri Sivani Educational Society, Srikakulam)  
(Estd.2007, Approved by PCI-New Delhi and Affiliated to JNTU, Gurajada-Vizianagaram)  
N.H-16, Chilakapalem Jn., Etcherla Mandal, Srikakulam Dist - 532402.

## JATROPHA

**BOTINICAL NAME:** *JATROPHA INTEGERRIMA*

**FAMILY:** Euphorbiaceae

**SYNONYMS:**

**ENGLISH:** *Jatropha panduraefolia*, Peregrina, Spicy Jatroph

**HINDI:** Ratanjot

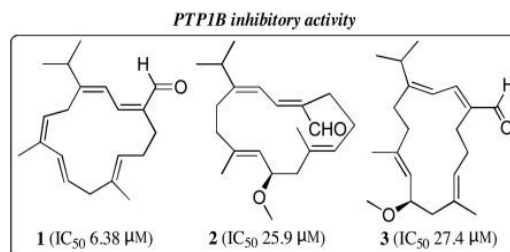
**TAMIL:** Kattamanakku

**TELUGU:** *Jatropha*



**CHEMICAL CONSTITUENTS:**

- ❖ The leaf has pentadecanal (32.4%), 1,8-cineole (11.2%) and  $\beta$ -ionone (10.8%) as the major components. On the other hand, the seed oil is comprised mainly of aliphatic hydrocarbons represented by pentacosane (13.6%), hexacosane (13.3%), octacosane (12.3%) and heptacosane (10.1%).



**USES:**

- ❖ Biofuel production
- ❖ Softwood lumber production
- ❖ Animal fodder (it has been used as food for elephants)
- ❖ Ornamental purposes (such as hedges)
- ❖ Used on the domestic livestock for skin diseases
- ❖ Core and rheumatism
- ❖ Eczema
- ❖ Pruritus and skin warts
- ❖ *Jatropha* oil is used in soap making
- ❖ Cosmetic and dyeing industries as dye for cloth, and fishing nets.