



# 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.

## POMEGRANATE

**BOTINICAL NAME:** *PUNICA GRANATUM*

**FAMILY:** Punicaceae

**SYNONYMS:**

**ENGLISH:** Grainy apple

**HINDI:** Aanar

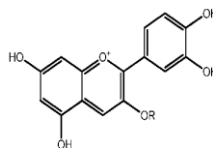
**TAMIL:** Mātuḷai

**TELUGU:** Daanimma



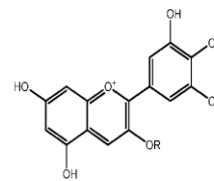
**CHEMICAL CONSTITUENTS:**

- ❖ Arils contain 85% water, 10% total sugars, mainly fructose and glucose, and 1.5% pectin, organic acid, such as ascorbic acid, citric acid, and malic acid, and bioactive compounds such as phenolics and flavonoids, principally anthocyanins.



R = H; Cyanidin

R =  $\beta$ -D-glucopyranosyl; Cyanidin-3-O-glucoside



R = H; Delphinidin

R =  $\beta$ -D-glucopyranosyl; Delphinidin-3-O-glucoside

**USES:**

- ❖ Inflammation
- ❖ Antioxidant
- ❖ Antibacterial
- ❖ Heart health
- ❖ Rheumatoid arthritis
- ❖ Digestion
- ❖ Skin
- ❖ Anticancer
- ❖ Memory
- ❖ Diabetes