



Gulmohar





Synonyms

- Hindi: गुलमोहर (Gulmohar)
- Gujarati: ગુલમહર (Gulmohar)
- English: Gulmohar, Flame tree, Royal Poinciana

Botanical Name

- *Delonix regia*

Family

- Fabaceae

Chemical Constituents

- *Delonix regia* contains a variety of bioactive compounds:
- Alkaloids: Present in various parts of the plant
- Flavonoids: Including quercetin, kaempferol, and anthocyanins
- Phenolic Compounds: Such as gallic acid
- Tannins: Found in the bark and leaves
- Steroids and Saponins: Detected in the leaves
- Amino Acids and Carbohydrates: Present in the seeds and leaves
- Fatty Acids and Proteins: Identified in the seeds

Therapeutic Uses

- *Delonix regia* has been traditionally used in various medicinal practices:
- Anti-inflammatory and Analgesic: Used to alleviate pain and inflammation
- Antioxidant: Combats oxidative stress
- Antimicrobial: Effective against certain bacteria and fungi

- Hepatoprotective: Protects the liver from damage

Marketed preparation

- No large-scale marketed pharmaceutical preparations of gulmohar (scientific name *Delonix regia*) were found. However, it is an ingredient in some traditional and herbal products for its anti-inflammatory and other therapeutic properties.
- Various parts of the gulmohar tree, such as the leaves, flowers, and bark, have been used in traditional medicine and are found in some cosmetic and raw ingredient preparations.