



SIGMA[®]
UNIVERSITY

BAUHINIA





Synonym

- Gujarati: કચનાર
- Hindi: कचनार
- English: MountainEbony, CamelFoottree
Kachnar

Botanical name

- *Bauhinia variegata*

Family

- Fabaceae

Chemical Constituents

- Flavonoids: A primary class of compounds found across the genus, with specific examples
- Terpenoids: This group includes triterpenoids and phytosterols like β -sitosterol, as well as other terpenes like lupeol and betulin.
- Alkaloids: These nitrogen-containing compounds are also present in various parts of *Bauhinia* plants.
- Tannins: These phenolic compounds are found in the plant's extracts.
- Phenolic Compounds: Besides tannins, other phenolic compounds and derivatives contribute to the plant's activities.
- Saponins: These are glycosides that can form foams in water and are found in *Bauhinia* species.

Therapeutic Uses

- Anti-diabetic/Antihyperglycemic: Compounds in *Bauhinia variegata* help regulate blood

glucose levels and improve insulin mechanisms.

- **Antimicrobial:** Extracts of *Bauhinia* species possess antibacterial and antifungal activities, making them useful for various infections.
- **Anti-inflammatory:** The plant parts exhibit anti-inflammatory properties, which can help reduce inflammation.
- **Antioxidant:** *Bauhinia* plants contain antioxidants like flavonoids and phenols, which protect the body from oxidative stress and free radical damage.

Marketed Preparations

- **Establish your business:** Decide whether you are selling as a nursery, wholesaler, or home-based seller. Get the necessary business and tax registrations required in your area.
- **Decide on your sales channels:**
- **Online marketplace:** Set up a store on an e-commerce platform that allows you to list plants with descriptions, prices, and high-quality images.
- **Physical locations:** Sell at local farmers' markets, plant fairs, or through your own nursery.

- Direct-to-consumer: Promote sales through social media or an email newsletter for a more personal connection with customers.