



SIGMA[®]
UNIVERSITY

Agave





Synonym

- Gujarati: રામબાણ
- Hindi: रामबांस
- English: century plant, maguey or American aloe

Botanical name

- *Agave americana*

Family

- Asparagaceae

Chemical Constituents

- Saponins
- fructans (e.g., inulin), and various secondary metabolites

Therapeutic Uses

- textiles for clothing, to make rope, eaten as food, to make musical instruments, to make syrup, and to make a fermented drink known to many as pulque.
- anti-inflammatory
- antimicrobial
- anticancer
- antiulcerogenic
- antihypertensive
- antidiabetic

Marketed Preparations

- Agave nectar (sweetener)
- some traditional medicine preparations
- Raw: Minimally processed and less refined than other varieties.

- Flavored spreads and jams: Agave syrup is used as a natural sweetener in fruit spreads.
- Sisal fiber: Derived from *Agave sisalana*, this stiff fiber is known for its strength and durability. It is used to produce rope, twine, bags, and carpets.
- Textiles and paper: Agave fibers are also processed into threads for clothing and fabrics, as well as being used in papermaking.