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**UNIVERSITY**

## *Royal Palm*





## Synonym

- Gujarati: રાજ તાડ
- Hindi: शाही ताड़
- English: Royal palm

## Botanical name

- *Roystonea regia*

## Family

- Arecaceae or Palmae

# Chemical Constituents

- Not extensively studied for medicinal purposes; primarily known for ornamental value.
- Various fatty acids (such as linoleic and oleic acids)
- The plant also produces a highly stable protein, royal palm peroxidase (RPTP), with heme and calcium-binding sites, and contains cellulose, hemicelluloses, and lignin in its lignocellulosic fibers.
- Carbohydrates: The ripe fruit pericarp contains a substantial amount of carbohydrates.

# Therapeutic Uses

- Use of its roots as a diuretic for diabetes treatment and its fruit extract (D-004) showing promise in treating benign prostate hyperplasia (BPH) in rodents.
- Nervous System and Mental Health: A decoction made from the royal palm leaf is used in some cultures to treat nervous system and mental health issues.
- Used in Digestion problem and urinary problem.

# Marketed Preparations

- Primarily ornamental.
- Some traditional uses are reported but lack scientific validation.