



**SIGMA**<sup>®</sup>  
**UNIVERSITY**

# Nerium oleander





## Synonym

- Gujarati: ડરેણ
- Hindi: कनेर
- English: nerium oleander

## Botanical name

- Nerium oleander

## Family

- Apocynaceae.

# Chemical Constituents

- Cardiac glycosides (like oleandrin and neriin), which are its most well-known and toxic constituents, as well as flavonoids, triterpenoids
- Essential oils: Found in the plant and have shown antibacterial activity.
- Roots and seeds: Rich in cardiac glycosides.
- Leaves: Contain cardiac glycosides, triterpenes, phytosterols, flavonoids, and fatty acids.
- Flowers and twigs: Also contain flavonoids, phenols, and triterpenoids.

# Therapeutic Uses

- Despite its high toxicity,
- Cardiac conditions Anticancer
- Anti-inflammatory and analgesic.
- Effects of Antimicrobial.
- The biological source of this medicinal and highly poisonous plant is the leaves, bark, roots.
- Flowers of the evergreen shrub, Nerium oleander.

# Marketed Preparations

- Skin products, Topical ointments