



SIGMA[®]
UNIVERSITY

Duranta



Synonym

- Gujarati: સોનાડુરાંતા (Sona Duranta)
- Hindi: सोना दुरांता (Sona Duranta),
बનમાલા (Banmala)
- English: Golden Dewdrop, Skyflower, Golden Dew Drop

Botanical name

- *Duranta erecta* L

Family

- Verbenaceae

Chemical Constituents

- Alkaloids: Present in the leaves and fruits, alkaloids like durantosides have been identified, which are associated with pharmacological activities
- Sterols: Such as stigmasterol and β -sitosterol, involved in anti-inflammatory and cholesterol-lowering effects
- Other Constituents: Includes fatty acids, hydroxy-sterols, iridoid glycosides, and various

amino acids, which collectively contribute to the plant's pharmacological profile

Therapeutic Uses

- Antimicrobial: Used to treat infections caused by bacteria and fungi; effective against skin infections.
- Antiinflammatory: Reduces inflammation and pain, useful for conditions like arthritis and inflammatory disorders
- Antioxidant: Neutralizes free radicals to protect cells from oxidative stress, contributing to overall health.

Marketed Preparations

- Live plants (Golden Duranta / Golden Dewdrop) for gardens and landscaping
- Duranta erecta hedge seeds available via plant nurseries and online sellers
- Experimental or research-grade extracts exploring antimicrobial and insecticide applications, but limited commercial medicinal products as of now