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# **Solanum nigrum**





## Synonym

- Gujarati: Piludi (પીલુડી)
- Hindi: Makoy (मकोय), Kakamachi (काकमाची).
- English: Black Nightshade, Garden Nightshade.

## Botanical name

- *Solanum nigrum*

## Family

- Solanaceae

# Chemical Constituents

- Steroidal alkaloids and steroidal saponins (solanine, solasodine, solamargine, solasonine, solavilline).
- Glycoproteins.
- Polyphenols such as gallic acid, protocatechuic acid, catechin, caffeic acid, epicatechin, rutin, naringenin.
- Flavonoids.
- Coumarins, lignins, organic acids, volatile oils, polysaccharides.

# Therapeutic Uses

- Antitumor and anticancer effects (inhibiting growth of various cancer cells).
- Antioxidant, antiinflammatory, hepatoprotective.
- Used for fever, sore throat, toothache, skin eczema, dermatitis, carbuncles, furuncles.
- Treatment for gastric ulcers, respiratory ailments, urinary tract infections, bacterial dysentery, prostatitis.
- Neuroprotective, immunomodulatory, antibacterial activity.
- Traditionally used for detoxification, blood stasis, swelling, and poisoning.

# Marketed Preparations

- Herbal powders, decoctions, granules, tablets, and pills in traditional medicine systems such as Ayurveda and Traditional Chinese Medicine.
- External preparations for washing and treating carbuncles, swellings.
- Combined with other herbs in formulations for cancer and skin conditions.