

## *Catharanthus roseus*

*Catharanthus roseus*, commonly known as Madagascar periwinkle or *Vinca rosea*, is a flowering plant in the Apocynaceae family. Native to Madagascar, it is widely cultivated around the world for its ornamental beauty as well as for its medicinal properties.

**Kingdom:** Plantae  
**Order:** Gentianales  
**Family:** Apocynaceae  
**Genus:** *Catharanthus*  
**Species:** *C. roseus*

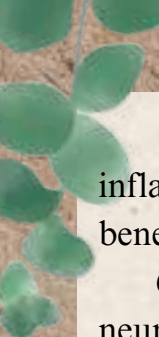


### Indian Language Names for *Vinca rosea*

Hindi: Sadabahar (सदाबहार)  
Bengali: Noyontara (নয়নতারা)  
Tamil: Sudukattu mallikai (சுடுகட்டு மல்லிகை)  
Telugu: Billaganneru (బిల్లగన్నేరు)  
Kannada: Sadaaphuli (ಸದಾಫುಲಿ)  
Malayalam: Shavam Naari (ശവം നാരി)  
Marathi: Sadaphuli (सदाफुली)  
Gujarati: Sadaphuli (સદાફૂલી)  
Odia: Sadaphuli (ସଦାଫୁଲି)  
Punjabi: Sadaphuli (ਸਦਾਫੁਲੀ)

### Medicinal Properties of *Catharanthus roseus* (*Vinca rosea*):

- 1. Anti-cancer Properties:** *Vinca rosea* contains alkaloids, including vincristine and vinblastine, which are used in chemotherapy to treat various types of cancer, such as leukemia, lymphoma, and certain solid tumors. These alkaloids inhibit the growth of cancer cells by interfering with their ability to divide and multiply.
- 2. Antidiabetic Effects:** Some research suggests that *Vinca rosea* may have hypoglycemic properties, helping to lower blood sugar levels. It may be beneficial for individuals with diabetes or those at risk of developing the condition.
- 3. Antihypertensive Activity:** *Vinca rosea* has been studied for its potential antihypertensive effects, which may help lower blood pressure levels. It may be used as a natural remedy to manage hypertension and reduce the risk of cardiovascular diseases.
- 4. Antimicrobial Properties:** *Vinca rosea* contains compounds with antimicrobial properties, which can help inhibit the growth of bacteria, fungi, and other microorganisms. It may be used to prevent infections and promote overall health.



5. **Anti-inflammatory Effects:** Some studies suggest that *Vinca rosea* may have anti-inflammatory properties, which can help reduce inflammation in the body. It may be beneficial for conditions such as arthritis, rheumatism, and inflammatory bowel diseases.

6. **Neuroprotective Effects:** *Vinca rosea* has been investigated for its potential neuroprotective effects, which may help protect brain cells from damage and degeneration. It may be beneficial for cognitive function and brain health.

7. **Antioxidant Activity:** *Vinca rosea* contains antioxidants such as flavonoids and phenolic compounds, which help neutralize free radicals in the body and protect cells from oxidative damage. Antioxidants contribute to overall health and may help prevent chronic diseases.

