

# Review on Tectona Grandis and its Medicinal Aspect

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**Abstract:** *Tectona grandis L.f.*, commonly known as teak, is a tree species valued for its timber. Its extensive medicinal applications in various indigenous medicinal systems highlight its significance. Several phytoconstituents, including alkaloids, phenolic glycosides, and steroids, have been identified in the plant. The renewed interest in teak has led to numerous scientific studies aimed at isolating and identifying its active compounds, along with validating its biological effects. Various parts of the teak plant have been rigorously tested for their antioxidant, antipyretic, analgesic, hypoglycemic, wound healing, cytotoxic, and numerous other biological properties. Compiling this scientific information is essential to create a comprehensive reference that covers all aspects of the plant, which could aid future research endeavors. This review consolidates key findings from the research on phytochemistry, methods for identifying and quantifying constituents, evaluation techniques for biological activity, toxicological research, allergy profiles, and relevant patents/patent applications. This information will assist researchers in identifying gaps for further studies

**Keywords:** Teak, *Tectona grandis* Linn., Ethnomedicinal plant, medicinal constituents, pharmacological use

