

Phytochemical investigation of *Calophyllum inophyllum* Linn.

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Calophyllum inophyllum Linn., is an economically and medicinally important species of genus *Calophyllum* family Guttiferae. The plant is known for its abundant traditional medicinal value as well as for its pharmacological activities such as antiviral, cytotoxic, anti-platelet aggregation etc. Phytochemical literature investigation of the plant revealed the presence of various compounds such as coumarins, xanthenes, triterpenes and steroids. However steroidal glycosides are not reported from this plant. Phytochemical investigation of methanolic extract of leaves after repeated column chromatography using hexane and hexane: ethyl acetate mixtures of different proportions as eluents resulted in isolation of three steroidal glycosides. Their homogeneity was established by TLC and HPLC. For detailed structure elucidation UV, NMR, C13 NMR and MS spectras were recorded.

Biography

Ch. Praveena has been working as a senior research scholar at University College of Pharmaceutical Sciences, Kakatiya University. She has completed her Master's in Pharmaceutical Sciences from the same university. She has published more than five papers in reputed journals and given many presentations. And also authored a book chapter in Council of Scientific and Industrial Research (CSIR) publications.