

A new furanoxanthone from the stem bark of calophyllum inophyllum.

ABSTRACT

The stem bark extracts of *Calophyllum inophyllum* furnished one new furanoxanthone, inophinnin (1), in addition to inophyllin A (2), macluraxanthone (3), pyranojacareubin (4), 4-hydroxyxanthone, friedelin, stigmasterol, and betulinic acid. The structures of these compounds were determined by spectroscopic analysis of 1D and 2D NMR spectral data (¹H, ¹³C, DEPT, COSY, HMQC, and HMBC) while EI-MS gave the molecular mass. The new xanthone, inophinnin (1), exhibited some anti-inflammatory activity in nitric oxide assay.

Keyword: *Calophyllum inophyllum*, Furanoxanthone; Inophinnin; Furanoxanthone; Guttiferae.