

**P-28****Chemical Constituents of *Calophyllum Teysmannii* and *Calophyllum Lowii* and their Bioactivities**

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A number of *Calophyllum* (Clusiaceae) species have been investigated but only a few have been extensively studied. Phytochemical studies on the *Calophyllum* species have revealed plants from this genus to be rich in secondary metabolites such as xanthenes, coumarins, flavonoids and triterpenoids. The study on chemical constituents of the stem bark of *Calophyllum teysmannii* and *Calophyllum lowii* has resulted in the isolation and characterization of four xanthone derivatives, named ananixanthone (**1**), thwaitesixanthone (**2**), fuscaxanthone C (**3**) and caloxanthone L (**4**). Several triterpenoids and steroids, friedelan-3-one, stigmasterol, sitosterol and glutanone were also successfully isolated from these plants. The structures of these minor components were established by means of spectroscopic analysis including nuclear magnetic resonance (NMR-1D, 2D), UV, IR and mass spectrometry. The crude extracts of *Calophyllum lowii* were tested against DPPH free radical scavenging agent. However only methanol extracts gave strong antioxidant activity.

**Keywords:** Clusiaceae, *Calophyllum teysmannii*, *Calophyllum lowii*, Xanthone, Antioxidant.

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