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# CHEMICAL INVESTIGATION OF THE LEAF EXTRACTION OF THREE *CALOPHYLLUM* SPECIES (GUTTIFERAE

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The leaf extractive of *C. thwaitesii*, *C. moonii* and *C. bracteatum* have been chemically investigated.

From the leaf of *C. thwaitesii*, calozeylanic acid 2(R), 3(R)–2,3–Dimethyl–5–hydroxy–6–(3–methyl–butanyl)–6–(2,7–dimethylocta–3,6–dienyl)–7–oxo–8–(2–carboxy–1–phenylethyl)–2,3,6,7 tetrahydrobenzo–4–pyrone, a sitosterol ester, sitosterol, friedelin and canophyllol have been isolated and characterised. The leaf acid is a new natural product recently characterised from the barks of *Calophyllum zeylanicum* (now named *C. lankaensis*) and *C. thwaitesii*. The occurrence of calozeylanic acid in the leaf and bark of *C. thwaitesii* if of biogenetic significance.

*C. moonii* leaf extracts had the same sitosterol ester, friedelin, (+)–cis–hydroxyinophyllide and a minor coumarin. The latter is a stereoisomer of (+) –cis–hydroxyinophyllide.

*C. bracteatum* leaf extracts contained the same sitosterol ester, friedelin and a new lupenediol.