

## Isolation and Identification of Compounds from the Leaves of *Actinodaphne sesquipedalis* Hook. F. Var. *Glabra* (Lauraceae)

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**Abstract :** The crude extract of the leaves of *Actinodaphne sesquipedalis* Hook. F. Var. *Glabra* (Kochummen), was taken under phytochemical investigation. The crude methanolic extract was partitioned with a different solvent system by increasing their polarities (n-hexane, dichloromethane, and methanol). The compounds were fractionated and isolated from n-hexane partition by using column chromatography with silica gel 60 or Sephadex LH-20 as a stationary phase and preparative thin layer chromatographic technique. Isolates were characterized using TLC, FTIR, UV spectrophotometer and NMR spectroscopy. The n-hexane fractionates yielded a total of four compounds namely N-methylaurotetanine (1), dicentrine (2),  $\beta$ -sitosterol (3), and stigmasterol (4). The result indicates that the leaves of *Actinodaphne sesquipedalis* may provide a rich source of alkaloids and triterpenoids.

**Keywords :** actinodaphne sesquipedalis, alkaloids, phytochemical investigation, triterpenoids

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