

Article

Neonaucline, a New Indole Alkaloid from the Leaves of *Ochreinauclea maingayii* (Hook. f.) Ridsd. (Rubiaceae)

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Abstract: A new indole alkaloid; neonaucline (1), along with six known compounds—Cadamine (2), naucledine (3), harmane, benzamide, cinnamide and blumenol A—were isolated from the leaves of *Ochreinauclea maingayii* (Rubiaceae). In addition to that of compound 1, ¹³C-NMR data of cadamine (2) and naucledine (3) were also reported. Structural elucidations of these alkaloids were performed using spectroscopic methods especially 1D- and 2D-NMR, IR, UV and LCMS-IT-TOF. The excellent vasorelaxant activity on isolated rat aorta was observed for the alkaloids 1–3 after injection of each sample at 1×10^{-5} M.

Keywords: *Ochreinauclea maingayii*; neonaucline; naucledine; cadamine; Rubiaceae; alkaloid