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Chemical constituents and mushroom tyrosinase inhibition activity of Chloroxylon swietenia leaves

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Abstract: From the leaves of Chloroxylon swietenia DC., 5 known secondary metabolites, namely 6, 8-diprenylumbelliferone (1), bergaptan (2), isopimpinellin (3), tritriacontanol (4), and isoquercetrin (5), were isolated from a folklore medicinal plant. Three compounds were isolated for the first time from this genus. The structures of these compounds were elucidated by UV, IR, 1D and 2D NMR techniques. Different fractions from the leaves of C. swietenia were investigated for their tyrosinase inhibition activity.

Key Words: Chloroxylon swietenia, coumarins, fatty alcohol, flavonoid glycoside, tyrosinase inhibition activity.

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