

Antioxidant constituents from the bark of *aglaia eximia* (Meliaceae)

Sianturi, Julinton, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20426424&lokasi=lokal>

Abstrak

The genus *Aglaia* is a rich source of different compounds with interesting biological activities. A part of our continuing search for novel biologically active compounds from Indonesia *Aglaia* plants, the ethyl acetate extract of bark of *Aglaia eximia* showed significant antioxidant activity. Four antioxidant compounds, kaempferol (1), kaempferol-3-O- β -L-rhamnoside (2), kaempferol-3-O- β -D-glucoside (3) and kaempferol-3-O- β -D-glucosyl-(1 \rightarrow 4)- β -L-rhamnoside (4) were isolated from the bark of *Aglaia eximia* (Meliaceae). The chemical structures of compounds 1-4 were identified on the basis of spectroscopic data including UV, IR, NMR and MS along with by comparison with those spectra data previously reported. All compounds showed DPPH radical-scavenging activity with IC₅₀ values of 1.18, 6.34, 8.17, 10.63 μ g/mL, respectively.