

Flavonoid compounds from the bark of *aglaia eximia* (meliaceae)

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Abstrak

Three flavonoid compounds, kaempferol (1), kaempferol-3-O- β -L-rhamnoside (2), and kaempferol-3-O- β -D-glucosyl- β -L-rhamnoside (3), were isolated from the bark of *Aglaia eximia* (Meliaceae). The chemical structures of compounds 1-3 were identified with spectroscopic data, including UV, IR, NMR (^1H , ^{13}C , DEPT 135° , HMQC, HMBC, ^1H - ^1H -COSY NMR), and MS, as well as compared with previously reported spectra data. All compounds were evaluated for their cytotoxic effects against P-388 murine leukemia cells. Compounds 1-3 showed cytotoxicity against P-388 murine leukemia cells with IC₅₀ values of 1.22, 42.92, and >100 mg/mL, respectively.

Senyawa Flavonoid dari Kulit Batang *Aglaia eximia* (Meliaceae). Tiga senyawa flavonoid, kaempferol (1), kaempferol-3-O- β -L-rhamnosida (2), dan kaempferol-3-O- β -D-glukosil- β -L-rhamnosida (3), diisolasi dari batang *Aglaia eximia* (Meliaceae). Struktur kimia senyawa 1-3 diidentifikasi berdasarkan data spektroskopi, meliputi UV, IR, NMR (^1H , ^{13}C , DEPT 135° , HMQC, HMBC, ^1H - ^1H -COSY NMR), dan MS, serta perbandingan dengan data spektra yang diperoleh sebelumnya. Seluruh senyawa dievaluasi pengaruh sitotoksiknya terhadap sel murine leukimia P-388. Senyawa 1-3 menunjukkan aktivitas sitotoksik terhadap sel murine leukimia P-388 dengan nilai IC₅₀ berturut-turut 1,22; 42,92, dan >100 mg/mL.