

Identification and Bioactivity Studies of Flavonoid Compounds from *Macaranga hispida* (Blume) Mull.Arg

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Abstrak

Two flavonoid compounds, 5,7,3',4'-tetrahydroxy-6-geranylflavonol (1) and kaempferol 7-O- β -glucose (2) have been isolated from the leaves of *Macaranga hispida* (Blume), Mull.Arg. Isolation and purification were conducted by chromatography methods and chemical structure characterization was carried out by spectroscopic methods. The 5,7,3',4'-tetrahydroxy-6-geranyl flavonol (1) and kaempferol 7-O-glucose (2) had moderate cytotoxic activity against murine leukemia P-388 cell lines with IC₅₀ value of 0.22 and 101.5 μ g/mL, respectively. The IC₅₀ for antioxidant activities of (1) and (2) were 2.83 and 13.95 μ g/mL, respectively. The LC₅₀ of (1) and (2) from BSLT were 350 and >1000 μ g/mL, respectively.