Phenolic Constituents from the Wood of *Morus australis* with Cytotoxic Activity

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A new methylated flavonol, 5,7,2′,4′-tetrahydroxy-3-methoxyflavone (**1**), had been isolated from the methanol extract of the wood of *Morus australis*, along with nine known compounds, kuwanon C (**2**), morusin (**3**), morachalcone A (**4**), oxyresveratrol (**5**), 4′-(2-methyl-2-buten-4-yl)oxyresveratrol (**6**), moracins M (**7**) and C (**8**), alboctalol (**9**), and macrourin B (**10**). The structures of these compounds were determined based on spectral evidence, including UV, IR, NMR, and mass spectra. Cytotoxic properties of compounds **1**–**10** were evaluated against murine leukemia P-388 cells. The prenylated stilbene **6** and 2-arylbenzofuran **8**, and morusin (**3**) were found to have strong cytotoxic effects with IC_{50} values of 6.9, 8.7, and 10.1 μM, respectively.

Key words: Morus australis, Murine Leukemia P-388 Cells, 5,7,2′,4′-Tetrahydroxy-3-methoxyflavone