Chemical Constituents from the Stem of Astronia formosana

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Astronia formosana Kanehira (Melastomataceae) is an endemic small tree distributing in the forests at altitudes of 300-500 m in the southern part of Taiwan, islands Lanyu and Lutao. The methanolic extract of the stem of this plant showed potent anti-inflammatory. Bioassay-guided fractionation of active ethyl acetate-soluble layer from the stem of this species led to the isolation of three tannins: 3,3',4-tri-*O*-methylellagic acid (1), 3,3'-di-*O*-methylellagic acid (2), and 3,4-di-*O*-methylellagic acid (3) along with three triterpenoids: betulic acid (4), arjunilic acid (5), and stachlic acid C (6). The structures of these compounds were elucidated by spectroscopic techniques. The isolation work and their bioactivities assay are still in progress.