[Phytochemistry, **35**, 785-789 (1994)] [Lab. of Pharmacognosy]

Eight Phenoic Compounds in root of *Sophora exigua.*

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The root of *Sophora exigua*, a deciduous shrub native to Thailand, has been used as a folk medicine for antipyretic and respiratory diseases. In our previous study on the constituents in the roots of the plant, we reported the structural determination of 10 phenoics have a rare B-ring oxygenation. In continued study on phenolic compounds, seven further new prenylated flavanone (exiguaflavanones G-M) and a new benzochromone (exiguachromone) were isolated. These sturctures were confirmed by the analyis of spectral data and chemical transformation.

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Two Biflavonoids in the Farinose Exudate of *Pentagramma triangularis.*

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In continuing studies on the chemistry of farinose exudate of *Pityrogramma calomelanos*, our attention was drawn to the frond exudate of *Pentagramma*. The genus *Pentagramma* has been recently separated from *Pityrogramma* on the basis of morphorogical characters and flavonoid chemistry. In the present study, we isolated two new biflavonoids which composed of a flavone and a dihydrochalcone nucleus, and linked through a methylene group in addition to five known flavonoids. The new structures were determined by means of spectroscopic analysis including of 2D-NMR techniques.

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Two xanthones from Root Bark of *Garcinia subelliptica.*

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The genus *Garcinia* has been classified into the Guttifereae, sometimes into the Clusiaceaae. The familiy well-known to be an abundant container of prenylated xanthones, biflavonoids and benzophenones. To search for biologically active compounds in guttiferaceous plants, we investigated the constituents of the root bark of *Garcinia subelliptica* (Syn. *G. spicata*) in succession to that of *Calophyllum inophyllum*. In the present study, two new xanthones named subelliptenones A and B which have novel substitution of isoprenyl unit.