〔Phytochemistry, **31**, 665-669 (1992)〕 [Lab. of Pharmacognosy]

Three 2',4',6'-Trioxygenated Flavanones in Roots of *Echinosophora koreensis*.

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Futher investigation of the phenolic constituents of the roots of *Echinosophora koreensis*, led to the isolation of 11 compounds. Their structures were determined as (2*S*)-6-geranyl-5,7,2',4',6'-pentahydroxyflavanone, (2*S*)-8-geranyl-5,7,2',4',6'-pentahydroxyflavanone, (2*S*)-6,8-di (γ,γ-dimethylallyl), 5,7,2',4',6'-pentahydroxyflavanone (kenusanone B), sophoraisoflavaone A, isosophoranone, 2,3-dehydrokievitone, sophoracarpane B, sophoronol, pratensein, genistein and scopoletin. Three of them are novel flavanones possessing a 2',4',6'-trihydroxyl moiety on the B ring.

〔Phytochemisty, **31**, 675-678 (1992)〕 [Lab. of Pharmacognosy]

Isoflavones from Roots of *Euchresta japonica*.

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Seven new isoflavones named euchrenone b_{10}-b_{16} were isolated from the roots of *Euchresta japonica*. These structures were determined by the means of spectroscopic analysis. Furthermore, to clarify the postion fused by a dimethylpyran ring on ring A, we also discussed the UV spectral data.

〔Phytochemistry, **31**, 717-719 (1992)〕 [Lab. of Pharmacognosy]

Coumarin Derivatives in *Coptis trifolia*.

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Known compounds, epiberberine, groenlandicine, scopoletin and β-sitosterol were characterized in the whole plant of *Coptis trifolia*. By means of spectral analysis, the structures of two new compounds were determined to be glycosides of a 10-hydroxygeranyl residue which is linked with scopoletin through an ether linkage.