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[Lab. of Pharmacognosy]

Coumaronochromones in the Roots of *Euchresta japonica*.

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In addition to eight known compounds [euchrenone a₆, a₁₁ and a₁₂, glabrol, euchretins A-C, and lespedezaflavanone C], three new coumaronochromones were isolated from the roots of *Euchresta japonica*. By means of spectroscopic analysis, the structures of new compounds were characterized as 5,7,4',5'-tetrahydroxy-6,8-di(γ,γ -dimethylallyl)-, 5,4',5'-trihydroxy-6- γ,γ -dimethylallyl-[6'',6'''-dimethylpyrano (2'',3'' : 7,8)-], and 5,7,5'-trihydroxy-8- γ,γ -dimethylallyl-[6'',6'''-dimethylpyrano (2'',3'' : 4',3')]coumaronochromone, and were named euchretins F, G and H, respectively.

[Phytochemistry, **31**, 721-723 (1992)]

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Two Flavanones from Roots of *Sophora leachiana*.

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Two new flavanones, leachianones D and E, were isolated from the roots of *Sophora leachiana* together with maackiain and a caffeic acid ester. The structures of new flavanones were characterized as 8-(5-hydroxy-5-methyl-2-isopropenyl-trans-hex-3-enyl)-5,7,4'-trihydroxy-2'-methoxyflavanone (leachianone D) and 5,7,4'-trihydroxy-8-lavandulyl flavanone (leachianone E) by means of spectral data.

[Heterocycles, **33**, 229-233 (1992)]

[Lab. of Pharmacognosy]

Two Complex Flavonoids in the Farinose Exudate of *Pityrogramma calomelanes*.

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In succession to preceding study reporting three new 8-(3-phenylpropionyl) dihydrochalcones, named calomelanols A, B and C from the farinose exudate of *Pityrogramma calomelanos*. In this paper, we described the structure determinations of two new complex flavonoid named calomelanols D and E.