

[Phytochemistry, 31, 643-645 (1992)]

[Lab. of Pharmacognosy]

**Coumaronochromones in the Roots of *Euchresta japonica*.**

MIZUO MIZUNO, NOBUYASU MATSUURA, MUNEKAZU IINUMA\*, TOSHIYUKI TANAKA

In addition to eight known compounds [euchrenone a<sub>6</sub>, a<sub>11</sub> and a<sub>12</sub>, 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( $\gamma,\gamma$ -dimethylallyl)-, 5,4',5'-trihydroxy-6- $\gamma,\gamma$ -dimethylallyl-[6'',6'''-dimethylpyrano (2'',3'' : 7,8)-], and 5,7,5'-trihydroxy-8- $\gamma,\gamma$ -dimethylallyl-[6'',6'''-dimethylpyrano (2'',3'' : 4',3')]coumaronochromone, and were named euchretins F, G and H, respectively.

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

[Lab. of Pharmacognosy]

**Two Flavanones from Roots of *Sophora leachiana*.**

MUNEKAZU IINUMA\*, TOSHIYUKI TANAKA, MIZUO MIZUNO, FRANK A. LANG

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*.**

FUJIO ASAI, MUNEKAZU IINUMA\*, TOSHIYUKI TANAKA, MIZUO MIZUNO

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.