

[Phytochemistry, 30, 3773-3775 (1991)]

[Lab. of Pharmacognosy]

**Two Complex Flavanones from the Roots of *Sophora leachiana*.**MUNEKAZU IINUMA\*, TOSHIYUKI TANAKA, MEGUMI KAWAI,  
MIZUO MIZUNO, FRANK A. LANG

In previous paper, we dealt with the chemical constituents in the roots of *Sophra leachiana* (Leguminosae), the structures of two new flavanones and two glycosides of C-methylated flavanone and flavonol were described. By the further investigation, two new complicated flavanone derivatives containing a stilbenoid nucleus were isolated from the roots of *S. leachiana*. The structures of leachianones B and C were established by means of 2D-NMR analysis. The structure was characterized as sophoraflavanone G coupling with 3,5,4'-trihydroxystilbene and constructing a new framework such as C<sub>6</sub>-C<sub>3</sub>-C<sub>6</sub>-C<sub>2</sub>-(C<sub>6</sub>)-C<sub>6</sub>.

[J. Nat. Prod., 54, 1427-1429 (1991)]

[Lab. of Pharmacognosy]

**Sutchuenoside A: A New Kaempferol Glycoside from the Aerial Parts of *Epimedium sutchuenense*.**MIZUO MIZUNO\*, MUNEKAZU IINUMA, TOSHIYUKI TANAKA,  
HIROBUMI YAMAMOTO, ZHI-BEN TU

It is interesting to survey the presence of  $\gamma, \gamma$ -dimethylallyl group on flavonol glycosides in *Epimedium* species for both chemotaxonomical investigation and their medicinal potency. For this purpose, the constituents of *Epimedium sutchuenense* FRANCH, growing in Wu-han, China, were investigated. In addition to six known glycosides (kaempferol-3-rhamnoside, kaempferol-3,7-dirhamnoside, quercetin-3-glucoside, icariin, diphyllaside B and epimedin C) a new kaempferol glycoside, named sutchuenoside A, was isolated from the leaves of *E. sutchuenense*. The structure was characterized as kaempferol-3-O-(4-O-acetyl) rhamnopyranoside-7-O-rhamnopyranoside.

[J. Nat. Prod., 54, 1447-1450 (1991)]

[Lab. of Pharmacognosy]

**Chaenomeloidin: A Phenolic Glucoside from Leaves of *Salix chaenomeloides*.**MIZUO MIZUNO\*, MASAYA KATO, CHIEMI MISU,  
MUNEKAZU IINUMA, TOSHIYUKI TANAKA

A new phenolic glucoside, chaenomeloidin, was isolated from the leaves of *Salix chaenomeloides* together with salicin, tremuloidin, tremulacin, salicyloyltremuloidin, hyperin, quercitrin, rutin, isorhamnetin-3-O-glucoside, and isorhamnetin-3-O-rutinoside. The structure of chaenomeloidin was established to be salicyl alcohol-1-O-(3'-benzoyl) glucopyranoside by spectral analysis.