

using a scintillation proximity assay(SPA) method. The compounds were also evaluated for cytotoxicity against human cancer cell lines.

[PD2-30] [04/19/2002 (Fri) 10:00 - 13:00 / Hall E]

A new flavonol glycoside from *Brassica juncea* L.

Choi JaeSue^o, Kim JungEun, Jung MeeJung, Woo JuJung, Chung HaeYoung

Faculty of Food Science and Biotechnology, Pukyong National University, Pusan 608-737, Korea and
College of Pharmacy, Pusan National University, Pusan 609-735, Korea

Mustard leaf (*Brassica juncea* L.), a cormophyte vegetable that belongs to cruciferous family, originated from China and has been widely distributed in Korea and Japan. The seeds are consumed for mustard (a spice) and the leaves are used as food spices or folkloric uses such as stimulant, diuretic and expectorant. From the leaves of *B. juncea*, a new rare flavonol glycoside was isolated and characterized as kaempferol 7-O- β -D-glucopyranosyl-(1 \rightarrow 6)-[β -D-glucopyranosyl-(1 \rightarrow 3)]- β -D-glucopyranoside (1), together with known kaempferol-3-O-(2-O-feruloyl- β -D-glucosyl-(1 \rightarrow 2))- β -D-glucoside (2) and kaempferol-3-O- β -D-glucosyl-(1 \rightarrow 2)-O- β -D-glucoside-7-O- β -D-glucoside (3). Compounds 1 and 2 were found to be a scavenger of 1,1-diphenyl-2-picrylhydrazyl radical.

[PD2-31] [04/19/2002 (Fri) 10:00 - 13:00 / Hall E]

A New Ergostane-Type Cholesterol Biosynthesis Inhibitor from *Cladosporium resinae*

Kim Hyun Jung^o, Lee Ik-Soo

College of Pharmacy, Chonnam National University

A new ergostane-type steroid, 3 β -hydroxy-1,11-dioxo-ergosta-8,24(28)-diene-4 α -carboxylic acid, was isolated from *Cladosporium resinae* as a cholesterol biosynthesis inhibitor. This compound showed a significant inhibitory activity on the post-lanosterol pathway of cholesterol biosynthesis in human liver cells.

[PD2-32] [04/19/2002 (Fri) 10:00 - 13:00 / Hall E]

Isolation of cerebroside from *Euphoria longana*

Ryu Jiyoung^o, Kim JuSun, Kang SamSik

Natural Products Research Institute, Seoul National University, Seoul 110-460, Korea

Two cerebroside, YA-3-2, and YA-3-3, were isolated from the pulp of *Euphoria longana*. YA-3-2 was characterized as 1-O- β -D-glucopyranosides of sphingosine type ceramides comprised of a long chain base (2*S*,3*R*,4*E*,8*E*/*Z*)-2-amino-4,8-octadecadiene-1,3-diol and fatty acids. The fatty acyl chain of ceramide moieties was determined as palmitic acid(0.9%), oleic acid(1.9%), stearic acid(1.9%), lignoceric acid(2.8%) and (2*R*)-2-hydroxylignoceric acid(92.6%). YA-3-3 was characterized as 1-O- β -D-glucopyranosides of phytosphingosine type ceramides comprised of a long chain base (2*S*,3*R*,4*R*,8*E*/*Z*)-2-amino-8-octadecene-1,3,4-triol and fatty acids. The fatty acyl chain of ceramide moieties was determined as palmitic acid(9.4%), oleic acid(2.9%), stearic acid(2.7%), and (2*R*)-hydroxylignoceric acid(85%).

[PD2-33] [04/19/2002 (Fri) 10:00 - 13:00 / Hall E]