determined by the interpretation of spectroscopic data obtained from various NMR techniques. A variety of bioassay for them are in progress.

[PD2-5] [04/19/2002 (Fri) 10:00 - 13:00 / Hall E]

A New Uracil Derivative and A New Acylglycosyl Sterol from Quisqualis Fructus

Kwon HakCheol°, Choi SangZin, Min YongDeuk, Lee SungOk, Kim SooHak, Kim KyungRan, Lee JongSoon, Lee KangRo

Natural Products Laboratory, College of Pharmacy, SungKyunKwan University, Suwon 440-746, Korea and Department of Biochemistry, YeungNam University, GyongSan, 712-749, Korea.

Quisqualis Fructus is a Korean traditional medicine to treat ascariasis.[1] *Quisqualic acid and trigonelline* were reported from Quisqualis Fructus.[2] In the course of our searching for topoisomerase I inhibitor from Korean traditional medicine, Quisqualis Fructus exhibited moderative activity. The research of this source led *to isolate a new uracil derivative and a new acylglycosyl sterol together with five known compounds. On the* basis of spectroscopic data, their structures have been elucidated as 1-(2-amino-1,4-dioxan-3-yl)-uracil, 3-*O*-[6-*O*-(8-octadecenoyl)-glycosyl] epicodisterol, 3-amino-acrylamide, pyridylglycine, epicodisterol, betulinic acid and ursolic acid methyl ester. The topoisomerase I inhibitory effect of these compounds are under study.

1) Shanghai Science and Technologic Publisher and Shougakukan, The Dictionary of Chinese Drugs, Shougakukan, Tokyo, pp.1035-1037 (1985)
2) Takemoto, T., Takagi, N. Nakajima, T. and Koike, K., Yakugaku Zasshi, 95 (2), 176-179 (1975)

[PD2-6] [04/19/2002 (Fri) 10:00 - 13:00 / Hall E]

Antioxidative activity of Acanthopanax chiisanensis Fructus

Kim JIYeon°, Yang KiSook

college of Pharmacy,Sookmyung Women's University.Seoul140-742,Korea

Acanthopanax spp. are one of the traditional tonic agents.They has been used as analgesics,stimulant of immune system and replenishment of body functions.In order to estimate the antioxidative activity of *Acanthopanax chiisanensis Fructus,we measured anti-lipid peroxidative efficacy on human low density* lipoprotein(LDL)with TBARS(2-thiobarbituric acid)assay from it's MeOH extract.And we tested superoxide scavenging activity by Free radical scavenging assay.Superoxide radicals are generated in a phenazin *methosulfate(PMS)-beta-nicotinamide adenine dinucleotide(reduced from,NADH)system by oxidation of* NADH and assayed by the reduction of nitroblue tetrazolium(NBT).

[PD2-7] [04/19/2002 (Fri) 10:00 - 13:00 / Hall E]

Antiinflammatory and Antinociceptive Principles of the Acanthopanax senticosus Stem Bark

Jung Hyun-Ju°[1], Park Hee-Juhn[1], Lee Kyung-Tae[2], Choi Jongwon[3]

[1]Division of Applied Plant Sciences, Sangji University, [2]College of Pharmacy, Kyung-Hee University, [3]College of Pharmacy, Kyungsung University

MeOH extract of the stem bark of *Acanthopanax senticosus* (Araliaceae) was fractionated to test anti-inflammatory in the rat induced by carrageenan and Freund's complete adjuvant reagent (FCA),