

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

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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 moderate 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

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Acanthopanax spp. are one of the traditional tonic agents. They have 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 its MeOH extract. And we tested superoxide scavenging activity by Free radical scavenging assay. Superoxide radicals are generated in a phenazine methosulfate (PMS)-beta-nicotinamide adenine dinucleotide (reduced form, 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

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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),