other morphologically similar medicinal materials is rationalized.

[PD3-16] [10/19/2000 (Thr) 15:00 - 16:00 / [Hall B]]

Hepatoprotective, Diuretic and Anti-inflammatory Activities of the Extract from Portulaca oleracea L.

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Hepatoprotective, diuretic and anti-inflammatory activities of the water extract of Portulaca oleracea were studied. The extract showed 59.4% in s-GPT and 55.8% in s-GOT compared with sylimarin against CCl4 intoxication and 43.7% diuretic activity compared with furosemide in mice. It showed 61.8% anti-inflammatory activity compared with indomethacin against the carrageenan-induced inflammation in rats.

[PD4-1] [10/19/2000 (Thr) 15:00 - 16:00 / [Hall B]]

Impurity profiling analysis of methamphetamine seized in Korea (II)

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Impurity profiling analysis of methamphetamine seized was investigated for the evidential and intelligent purpose. A gas chromatographic procedure was activated to separate and quantify impurities in illicit methamphetamine using DB-1 wide-bore capillary column for profiling. About 100mg of seized methamphetamine was dissolved in 1mL of phosphate buffer and extracted with 200 uL of ethylacetate which contains two different internal standards of dioctylsebacate and diphenylamine. The melting points of samples were also evaluated in this procedure.
A total of 172 methamphetamine samples were analyzed for impurity profiling. The peak area ratio and relative retention time of impurities were evaluated using in-house computer program. For the classification of samples, firstly, 20 impurity peaks were selected after inspection of every peak in 172 samples as the specific markers of impurities. By Ward method, samples were clustered into 6 different groups. There were 10 samples which were not grouped. The ions of illicit methamphetamine obtained from mass spectrometry will be added in-house program for classification of samples. The analysis of impurities in illicit methamphetamine has shown to be an effective means of characterizing and matching samples.

[PD4-2] [10/19/2000 (Thr) 15:00 - 16:00 / [Hall B]]

Hair-growth Effect of chrysin 7-O-cyclopropanecarboxylate

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The derivative of chrysin 7-O-cyclopropanecarboxylate was synthesized by condensing