

(70:30:1:0.1) as the mobile phase was used. Two kinds of detector, PDA(photodiode array) and ELSD (evaporative light scattering detector) were used for the comparison of detection of aconitine, hypaconitine and mesaconitine.

The condition in mobile phase, column, flow rate was same in two detectors. The result was expressed with the ratio of peak height/area. In ELSD the ratio of peak height/area was 0.022 in aconitine, 0.025 in mesaconitine and 0.013 in hypaconitine. On the other hand in PDA at 254nm the ratio was 0.034 in aconitine, 0.043 in mesaconitine and 0.026 in hypaconitine.

[PD2-11] [04/20/2001 (Fri) 13:30 – 14:30 / Hall 4]

Standardization of Natural Medicines – Dipsaci Radix –

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Abstract – The Roots of *Dipsacus asperoides* has been used as an antiinflammatory agent, an analgesics, the treatment of fractures and enhancement of liver activity. In order to evaluate the quality of it, Isolation of triterpenoid saponin was achieved by silicagel chromatography. The HPLC method for quantitative determination of akebia saponin D(3-O- α -L-arabinopyranosyl hederagenin 28-O- β -D-glucopyranosyl ester) provided the method for standardization of *Dipsaci Radix*.

[PD2-12] [04/20/2001 (Fri) 13:30 – 14:30 / Hall 4]

Constituents from *Actinodaphne lancifolia*

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Actinodaphne lancifolia(Sieb. et Zucc.) Meissn is the evergreen tree of the family Lauraceae, distributed in the southern part of Korea including Cheju Island. Traditionally, the root called as “Si Pi Jang Gun” has been used for the treatment of stomachache, arthritis, overexertion as well as edema. As a part of our continuing interest in the bioactive metabolites we have examined the MeOH extract of *Actinodaphne lancifolia*.

Separation of the lactonic compounds from the n-hexane extract of *Actinodaphne lancifolia* afforded isolancifolide, secoisolancifolide, 4-(3,7-dimethyl-2,6-octadienyl)-4-methoxy-3-methylbut-2-enolide and dihydro-4-hydroxy-5-methoxy-5-methyl-3-nonylidene-2(3H)-furanone. The structures of these compounds were identified and determined by physico-chemical and spectral evidences.

[PD2-13] [04/20/2001 (Fri) 13:30 – 14:30 / Hall 4]

Phytochemical Constituents of *Lactus scariola*

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