together with four known ones (4, 5, 6, 7) were isolated from the methanolysis products of the total saponin mixture, and their structures were elucidated by spectral evidences as follows: 1, 3β , 15α , 16α , 28-tetrahydroxy-olean-12-ene, 2, 22-O-tigloyl-A1-barrigenol, 3, 28-O-tigloyl-A1-barrigenol, 4, primulagenin A, 5, camelliagenin A, 6, A1-barrigenol, 7, 16-O-tigloyl camelliagenin A.

[PD2-3] [04/20/2001 (Fri) 13:30 - 14:30 / Hall 4]

Constituents from the roots of Sophora flavescens

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Lupenone, hexadecyl ferulate, (-)-sophocarpine and three isoflavonoids such as genistein, calycosin and 3-methoxydaidzein were isolated from the roots of *Sophora flavescens*.

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

Isolation and Quantitative Determination of Matrine from Sophorae Radix

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HPLC method was applied to the quantitative analysis of lupine alkaloid, matrine from alkaloid fraction of Sophorae Radix(Sophorae flavescens). The average content of matrine from 20 Sophorae Radices showed 0.13 \pm 0.06%.

[PD2-5] [04/20/2001 (Fri) 13:30 - 14:30 / Hall 4]

Effect of the Essential Oil components from Magnolia sieboldii on NO and PGE2 production in murine macrophages

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The essential oil components of the flowers of *Magnolia sieboldii* was analyzed qualitatively and quantitatively by gas chromatography(GC) and gas chromatography/mass spectrometric (GC/MS) analysis. As a result, sixty compounds were identified, of which β -myrcene(12.72 %), α -terpinene (14.83 %) and β -elemene (18.0 %) were revealed to be the major constituents. The whole essential oil and its major components were tested for their effects on nitric oxide (NO) and prostaglandin E₂ (PGE₂) production in rat peritoneal macrophages induced by lipopolysaccharide