continuing investigations for the bioacive constitutuents of this sample resulted in the isolation and the characterization of six aromatic amines. Isolated compounds were screened cytotoxic activity against cultured human tumor cell lines, A549 (non small cell lung adenocarcinoma), SK-OV-3 (ovarian), SK-MEL-2 (skin melanoma), XF498 (CNS) and HCT15 (colon) in vitro.

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[PD2-51] [10/20/2000 (Fri) 11:30 - 12:30 / [Hall B]]

Phytochemical Constituents of Erechtites hieracifolia L.

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In the course of our research for bioactive components from Korean medicinal plant, Erechtites hieracifolia was studied. Two senecio alkaloids1), seven syringyl alcohol derivatives2) and essential oil constituents3) were reported from this plant. Eerechtites hieracifolia was collected in the neighborhood of Sung Kyun Kwan university, Suwon and extraced with MeOH. The repeated column chromatographic separation of the extract resulted in the isolation of seven compounds (1-7). Their structures have been established by spectroscopic means to be 6-hydroxy-2,6-dimethyl-hepta-2,4-dienal(1) , 3,7-dimethyl-octa-3,5-diene-1,2,7-triol(2) , 3-hydroxy-5,6-epoxy-β-ionone(3) , 3-hydroxy-5,6-epoxy-β-iononol(4) , 3-oxo-a-ionyl-O-β-D-glucopyranoside(5) , eugenyl glucopyranoside(6) , 2-hydroxyeugenyl glucopyranoside(7).

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[PD2-52] [10/20/2000 (Fri) 11:30 - 12:30 / [Hall B]]

Five Novel Neuroprotective Triterpene Esters of Ulmus davidiana var. japonica

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Investigation of the constituents of the stem and root barks of *Ulmus davidiana* var. *japonica* resulted in the isolation of five new triterpene esters named ulmicin A - E (1-5). Their structure were determined as 3β, 11α, 15α-trihydroxylup-20(29)-ene-11-(3'-methoxy-4'-hydroxybenzoyl ester) (1), 3β, 11α, 15α-trihydroxylup-20(29)-ene-11-(4'-hydroxybenzoyl ester) (2), 3β, 11α, 15 α-trihydroxylup-20(29)-ene-11-(3'-methoxy-4'-hydroxybenzoyl)-15-(4'-hydroxybenzoyl ester) (3), 3β, 11α, 15α-trihydroxy-lup-20(29)-ene-11, 15-di(3'-methoxy-4'-hydroxybenzoyl ester) (4) and 3β, 11α, 15α-trihydroxylup-20(29)-ene-11-(3'-methoxy-4'-hydroxybenzoyl)-15-(benzoyl ester) (5) using several spectroscopic techniques. All the five compounds showed significant neuroprotective activities against glutamate-induced neurotoxicity in primary cultures of rat cortica cells.