and writing tests in the rat. Although the three derivatives of caffeic acid exhibited significant anti-nociceptive effects at 10 mg/kg dose (i.p.), compound 3 was the most potent (activity potency:3>2>1). These results suggest that compound 1 is responsible for at least rheumatoid arthritis, and chemical modification of active moiety, caffeoyl group, may increase the activity potency.

[PD2-61] [10/17/2002 (Thr) 09:30 - 12:30 / Hall C]

Two new acylated neoline derivatives from Aconiti Tuber

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Aconiti Tuber (*Aconitum spp.* tuber, Ranunculaceae) which contains bioactive but toxic alkaloids has been used as analgesic, cardiotonic, diuretic, and stimulant.
We have previously reported two new C-19 norditerpenoid alkaloids and five known norditerpenoid alkaloids. Further study has now led to the isolation of two new norditerpenoid alkaloids, 14-O-anisoylneoline and 14-O-veratroylneoline.
The structures of these compounds were characterized by spectroscopic methods.

[PD2-62] [10/17/2002 (Thr) 09:30 - 12:30 / Hall C]

Anti-Oxidative compounds from *Quercus salicina* bark

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Quercus species have been used for diarrhea, dysentery, dermatitis, haemoptoe, and haemorrhagia in Korean folk medicine. Specially *Quercus salicina* have been used for diuretic, anti-inflammatory, antiedemic, and litholytic agent.
In order to investigate the efficacy of antioxidative activity, the activity guided fraction and isolation of physiologically active substance were performed. Its 30%, 60%, 100% MeOH, H2O, and CHCl3 fractions were examined antioxidative activity by DPPH method. It was revealed that H2O, 30% MeOH fractions have significant antioxidative activity.
From 30% MeOH fraction, four phenolic compounds were isolated and elucidated gallic acid, 6"-galloyl salidroside, 2-(4-hydroxyphenyl)-ethyl-(6-O-caffeoyl)-β-D-glucopyranoside, and 4",6"-hexahydroxydiphenoyl salidroside through their physicochemical data and spectroscopic methods.
To investigate the antioxidative activities of each compound, we were measured radical scavenging activity with DPPH method. Gallic acid, 6-galloyl saridroside, and 4",6"-hexahydroxydiphenoyl salidroside showed significant radical scavenging activity against DPPH radical.

Poster Presentations - Field D3. Oriental Medicine

[PD3-1] [10/18/2002 (Fri) 13:30 - 16:30 / Hall C]

Developement of Quantitative Extraction Method of Amygdalin without Enzymatic Hydrolysis from Kyonin(Armeniacae Semen) by High Performance Liquid Chromatography

Kim DongMin°, Hong SeonPyo