compound was isolated as Mulberroside A($C_{26}O_{14}H_{32}$), molecular weight 568. Mulberroside A inhibited ADH noncompetitively against ethanol or NAD+.

[PC2-2] [10/20/2000 (Fri) 15:30 - 16:30 / [Hall B]]

Inhibitory Component of Puerariae Radix on Alcohol Dehydrogenase Activity

Lee HJ°, Oh MA, Lee KM

The College of Pharmacy, Ewha Womans University

Puerariae Radix is one of the medicinal plants used in oriental medicine for hangover. There are several reports dealing for the pharmacological effects such as antialcohol abuse, antidipsotropic activity and antialcohol intoxication. In connection with Puerariae Radix effects, a activity-guided purification of active substance on alcohol dehydrogenase(ADH) was carried-out. The most active compound was isolated as puerarin ($C_{21}H_{20}O_9$), molecular weight 416. Puerarin inhibited ADH noncompetitively against ethanol or NAD+.

[PC2-3] [10/20/2000 (Fri) 15:30 - 16:30 / [Hall B]]

β-Glucuronidase-inhibitory tectorigenin protects CCl4-induced hepatotoxicity.

Lee HU°, Choo MK, Kim DH

College of Pharmacy, Kyung Hee University

It has been known that liver damage caused by virus or chemicals increases activity of β-glucuronidase in blood and inhibitors of this enzyme are effective to liver damage. Here we isolated β-glucuronidase inhibitor, tectoridin, from the flower of *Pueraria thunbergiana* and measured its hepatoprotective activity on CCl_4-induced hepatotoxicity of mice.

CCl_4 treatment caused drastic increases in plasma ALT, AST and LDH activities in mice. Pretreating mice with tectoridin at daily oral dose of 100mg/Kg for 3 day significantly suppressed the CCl_4-induced increase in plasma ALT and AST activities. The inhibitory effect of tectoridin was much more potent than dimethyl diphenyl bicarboxylate (DDB), a synthetic intermediate of schizandrin C. However when tectoridin was intraperitoneally administrated to mice, it did not show hepatoprotective activity. When tectorigenin was intraperitoneally administrated to mice, it exhibited hepatoprotective. In addition when tectoridin was incubated with human intestinal bacteria, it was transformed to tectorigenin. These results suggest that tectoridin, which is a inhibitor of β-glucuronidase, should be a prodrug for hepatoprotective.

[PC2-4] [10/20/2000 (Fri) 15:30 - 16:30 / [Hall B]]

Antiplatelet and antithrombotic activities of Chungpesagan -tang

Park EK°[1], Han YO[2], Han MS[2], Kim DH[1]

°[1]College of Pharmacy and [2]Food and Nutrition, Kyung Hee University

As part of our continuing search for biological active anti-stroke agents from the medicinal resources. We examined the possibility of Chungpesagan-tang and its ingradients as a novel