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中華民國臨床生化學會
Chinese Association for Clinical Biochemistry

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Toxicology Society of Taiwan

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The Taiwan Society for Biochemistry and Molecular Biology

中華民國細胞及分子生物學學會
The Chinese Society of Cell and Molecular Biology

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RhoA/ROK Contributes to Vascular Hyporeactivity in Endotoxaemic Rats

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Eupafolin reduces COX-2 expression in LPS-treated human skin fibroblasts via MAPKs/AP-1 and ROS pathway

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Delta-opioid receptor is involved in the central antinociceptive effect of high doses of oxycodone

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Anti-fibrotic Effect of Supercritical CO2 Extract from Cutted Wood Cultured Fruit Body of *Antrodia cinnamimea*

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Herba Dendrobii Increase Calcium Absorption and Suppress Bone Resorption in OVX Rats

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Effects of Hydralazine on Lipopolysaccharide-Induced Disseminated Intravascular Coagulation in Rats

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Drug Discovery

Anti-fibrotic Effect of Supercritical CO₂ Extract from Cutted Wood Cultured Fruit Body of *Antrodia cinnamimea*

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Antrodia cinnamimea (AC) is an endemic specie mushroom of Taiwan, and has been utilized for liver disease in Taiwan for long time. In this study, the effect of supercritical CO₂ extract from cutted wood cultured fruit body of AC (SCEAC) on liver fibrosis induced by carbon tetrachloride (CCl₄) in rats was investigated. Hepatic fibrosis was induced by oral administration of CCl₄ (20%; 0.2 ml/100 g body weight) two times a week for 8 weeks. The rats with CCl₄ treatment were separated into groups randomly and administrated with 0.5% CMC and SCEAC during the experiment period. CCl₄ caused liver damage, as characterized by increase in levels of hepatic malondialdehyde (MDA) and hydroxyproline, in addition to increase in spleen weights and decrease in plasma albumin level. Compared to CCl₄ group, SCEAC treatment significantly decreased the spleen weight, level of hepatic MDA and hydroxyproline; however, the treatment could increase plasma albumin level. The pathological results also showed that SCEAC suppressed hepatic fibrosis. It may be expected that SCEAC has preventive potential in liver fibrosis.

