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Bile acids (BAs) are crucial for the diagnosis, follow-up, and prognostics of liver and intestinal disorders and other diseases affecting BA metabolism. A rapid, simple, and sensitive analytical method is needed to demonstrate the full metabolic profile and simultaneously determine the individual BAs in biological samples. In our present study, an ultraperformance liquid chromatography-mass ...

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Author: Li Yang, Aizhen Xiong, Yuqi He, Zaiyong Wa...

Publish Year: 2008

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May 06, 2014 · Understanding mechanisms of liver injury can enable better preclinical testing and clinical management of patients. Carbon tetrachloride (CCl₄), used extensively as a model hepatotoxicant, induces lipid perturbation and increases in plasma bile acids (BAs). An integrated transcriptomics and metabolomics approach was employed to investigate CCl₄-induced alterations in ...

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Author: Jinchun Sun, Thomas Schmitt, Laura K. Sc...

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Author: Rui Wang, Ai-zhen Xiong, Zhong-Qiu Teng, ...

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Wang MF *et al.* Metabolomics of Fuzi-Gancao on Acute Liver Injury in Rats

Mo-Fei Wang, Song-Song Zhao, Dil Momin Thapa, Yu-Ling Song, Zheng Xiang

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Jul 03, 2014 · Ethnopharmacological relevance. Aconitum carmichaelii Debx. (Fuzi), a commonly used traditional Chinese medicine (TCM), has often been used in combination with Rhizoma Glycyrrhizae (Gancao) to reduce its toxicity due to diester diterpenoid alkaloids aconitine, mesaconitine, and hypaconitine. However, the mechanism of detoxication is still unclear.

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Author: Bo Sun, Ming Zhang, Qi Zhang, Kunpeng ...

Publish Year: 2014

[Investigation of the therapeutic effect of Shaoyao Gancao ...](#)

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Conclusions: Gancao treatment mitigated the metabolic changes altered by Fuzi administration in rats, demonstrating that dosing with Gancao could reduce the toxicity of Fuzi at the metabolic level.

[Chaihu-Shu-Gan-San regulates phospholipids and bile acid ...](#)

<https://www.sciencedirect.com/science/article/pii/S1570023217306670>

Oct 01, 2017 · The established liver-targeted metabonomics using RP and HILIC coupled with mass spectrometry were applied to investigate the protection of CSGS against hepatic injury of rat with CUMS treatment. The chromatograms of representative liver samples from rats both in positive and negative ion scan modes were shown in Fig. S2. The metabolic profiles of liver samples from CUMS-treated rats ...

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Author: Hong-mei Jia, Meng Yu, Li-Yan Ma, Hong...

Publish Year: 2017