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Research Article

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Recent advances in understanding cross-talk between Bile Acids and Gut Microbiota

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Bile acid (BA) plays an important role in the absorption and translocation of fat and fat-soluble vitamins. In addition, it can also act as a signaling molecule to influence the energy metabolism of organisms, glucose metabolism, and the development of liver and intestinal diseases by activating receptor. Gut microbiota participates in the metabolism and transport of ...

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Exploring the detoxification effects and mechanism of Caowu in prescription using liquid chromatography-high-resolution mass spectrometry-based metabolomics

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Author(s): Li Wang, Hui Dong, Ai-hua Zhang, Ying Han, Tai-ping Li, Le Yang, Hui Sun, Xiang-cai Meng and Xi-jun Wang*

Liquid chromatography/mass spectrometry-based metabolomics analyses have been used in the evaluation of drug toxicity and finding detoxification methods. Yunnan Baiyao (YNBY) is a famous prescription for its effects on traumatic blood stasis in China. However, the adverse reactions of YNBY including anaphylactic shock, arrhythmia and renal failure hindered its further ...

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Review Article

Serum Pharmacochemistry in Herbal Medicine and Its Active Ingredients: Current Evidence and Future Development

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Traditional Chinese medicine (TCM) is more and more increasingly concerned all over the world based on its multiple ingredients, multi-target, effectiveness and hypotonicity. However, the fuzzy cognition of the effective ingredients of TCM has been the fundamental reason that hinders its development due to complexity and uncertainty. ...

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