



## 藏茵陈总萜酮的人肠内细菌代谢研究

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**中文摘要:**目的: 研究人肠内细菌对藏茵陈总萜酮的代谢。方法: 采用人肠内细菌与藏茵陈总萜酮在厌氧条件、37℃共温孵培养的方法对其进行代谢, 通过乙酸乙酯进行萃取处理, HPLC-DAD 进行分析检测, HPLC-MS 进行代谢产物的定性分析。结果: 藏茵陈总萜酮在人肠内细菌调控下生成 8 个代谢产物, 其中 2 个初步鉴定为龙胆宁碱和芒果苷元。结论: 藏茵陈总萜酮可被人肠内细菌进行代谢, 为藏茵陈总萜酮口服肠内菌代谢过程提供了一定的试验依据。

中文关键词: [藏茵陈](#) [总萜酮](#) [人肠内细菌](#) [代谢](#)Studies on metabolism of total terpene ketones from *Swertia mussotii* with human intestinal bacteria

**Abstract: Objective:** To study the metabolism of total terpene ketones from *Swertia mussotii* with human intestinal bacteria. **Method:** Total terpene ketones were incubated with human intestinal bacteria under an anaerobic environment and at 37 °C. The metabolites were extracted by ethyl acetate processing, detected by HPLC-DAD method. A qualitative analysis was made for its metabolites by HPLC-MS. **Result:** Eight metabolites were detected from total terpene ketones from *S. mussotii* with human intestinal bacteria, and two of them were preliminarily identified as gentiamine and mangiferin aglycon. **Conclusion:** Total terpene ketones can be metabolized with human intestinal bacteria, which provides basis for experiments on the metabolism process total terpene ketones from *S. mussotii* with human intestinal bacteria.

keywords: [Swertia mussotii](#) [total terpene ketone](#) [human intestinal bacteria](#) [metabolism](#)
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