



烫狗脊炮制过程的化学反应及产物研究

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中文摘要:目的:研究狗脊炮制过程中化学成分的变化和机制。方法:采用薄层色谱法、高效液相色谱法研究狗脊炮制前后化学成分变化,并用色谱法分离鉴定了炮制前后有明显变化的化学成分。结果:狗脊炮制前后化学成分有较大变化。结论:狗脊炮制过程中发生了梅拉德反应,所引起的化学成分变化可能是狗脊炮制前后功效变化的主要原因。

中文关键词:狗脊 炮制 化学成分变化研究 梅拉德反应

Chemical reaction and products in processed *Cibotium barometz*

Abstract:Objective: To investigate the chemical variation and its mechanism in processing of *Cibotium barometz*. Method: The methods of TLC and HPLC were carried out to identify the chemical variation in processing of *C. barometz*, and the compounds changed significantly were isolated by chromatography. Result: Chemical components were changed significantly in processing of *C. barometz*. Conclusion: Maillard reaction is involved in the process of rhizome *C. barometz*, which may be contributed to the activity between raw and processed *C. barometz*.

keywords: *Cibotium barometz*; processing; chemical variation; Maillard reaction

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