

研究简报

高压微波辅助提取法提取牛黄上清丸中的黄芩苷

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摘要 采用高压微波辅助提取法提取牛黄上清丸中的黄芩苷, 利用蜜丸的粘性, 将蜜丸涂敷在自制毛玻璃片表面后, 置于高压微波提取装置中进行提取, 同时与直接将蜜丸切块置于微波装置进行了对比.

关键词 [微波辅助提取](#) [牛黄上清丸](#) [高效液相色谱法](#) [黄芩苷](#)

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High-pressure Microwave-assisted Extraction of Baicalin from Niu Huang Shangqing Pills

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Abstract High-pressure microwave extraction was used to extract the baicalin in Niu Huang Shangqing Pills. According to viscosity of honey pills, the sample was painted on the surface of unshaped glass slide, and then the glass slide was placed in extraction vessel and baicalin in the sample was extracted by microwave radiation. High performance liquid chromatograph(HPLC) was used to determine the content of baicalin. The effects of the microwave extraction pressure and time on the extraction yield of baicalin were also examined. The baicalin in Niu Huang Shangqing Pills obtained from five different factories was determined. The results indicate that the microwave extraction of method B(smearing) is obviously superior to the microwave extraction of method A(slicing), ultrasonic extraction and sexhlet extraction. This method proposed in the paper has advantages such as quickness, convenience and high extraction yield.

Key words [Microwave-assisted extraction](#) [Niu Huang Shangqing Pills](#) [High performance liquid chromatography\(HPLC\)](#) [Baicalin](#)

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