

## 铁包金中不同部位总黄酮含量比较

投稿时间: 2011-04-08 [点此下载全文](#)

引用本文: 毛海立,周德超,龙成梅,杨艳.铁包金中不同部位总黄酮含量比较[J].中国实验方剂学杂志,2012,18(9):115~117

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中文摘要:目的:考察了贵州都匀产铁包金不同部位总黄酮含量的差异。方法:以乙醇作为回流提取溶剂提取铁包金中总黄酮。以芦丁为对照品,采用紫外分光光度法测定铁包金中的总黄酮。结果:芦丁标准品溶液浓度在5~30  $\mu\text{g} \cdot \text{L}^{-1}$ 与吸光度有良好线性关系,回归方程为 $Y=0.011 2X+0.041 9(r=0.999 1)$ ,平均加样回收率98.56%,精密度试验RSD值为0.279%,重复性试验RSD为0.634%,稳定性试验RSD 1.49%。以此方法测定,铁包金叶和茎部中黄酮含量分别为12.3%,1.42%,叶中总黄酮含量是茎部的的8.7倍。结论:贵州都匀产铁包金叶和茎部中黄酮含量存在较大差异,叶部位具有较大的药用开发价值和应用前景。

中文关键词:[铁包金](#) [紫外分光光度法](#) [总黄酮](#)


## Comparison and Determination of Total Flavonoids in Different Parts of *Berchemia lineata*

**Abstract:**Objective: The content distribution of total flavonoids in different parts of *Berchemia lineata* from city of DuYun in Guizhou was investigated. Method :Flavonoids in different parts of *Berchemia Lineata*(L)DC. were extracted by ethanol as solvent reflux, The total flavonoids were determined by spectrophotometry, rutin as control sample. Result: The absorbency and concentration of rutin have good linear correlation in the range of 5-30  $\mu\text{g} \cdot \text{L}^{-1}$ .The regression equation was  $Y=0.011 2X+0.041 9(r=0.999 1)$ , the average recovery rate was 98.56%,Accuracy experiment RSD 0.279%,repeatability test RSD 0.634%,stability test RSD 1.49%,the contents of total flavonoids in leaf and stem was respectively 12.30% and 1.42%,that the means content of total flavonoids in leaf is 8.7 times higher than that in stem. Conclusion: the content of total flavonoids in the leaf and in the stem has a big difference, thereby the leaf of *B. lineata* from Duyun in Guizhou has value to be developed and used.

**keywords:**[Berchemia Lineate](#) [UV spectrophotometer](#) [total flavone](#)

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