

目录

不同栝楼品种各药用部位无机元素含量比较

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摘要:

以山东道地药材栝楼为研究对象, 分别对仁瓜蒌和糖瓜蒌两个品种皮、籽中Ca, Mg, Fe, Mn, Cu, Zn的含量进行分析测定; 同时对雌、雄栝楼的天花粉中无机元素的含量进行研究。结果表明, 两个栝楼品种中的微量元素含量在皮和籽中基本没有差别, 但是不同无机元素的分布不一致。其中Ca在瓜蒌皮中的含量达到0.25%~0.28%, 在籽中的含量为0.1%; 而其它无机元素则基本以籽中的含量较高; 雌栝楼天花粉中的微量元素含量明显高于雄栝楼天花粉, 表明雌栝楼有较高的吸收或贮存无机元素的能力, 原因可能与雌栝楼参与的生殖生长有较大关系。

关键词: 栝楼 不同器官 无机元素分布

Comparisons of mineral element contents of different organs of different species of *Trichosanthes kirilowii* Maxim

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Abstract:

We determined the contents of such mineral elements as Ca, Mg, Fe, Mn, Cu and Zn in different organs of *Trichosanthes kirilowii* Maxim, a Shandong local medicine. We also addressed the mineral element contents of snakegourd roots from two different sexes. Results show that there is no significant difference for mineral element contents in their skins and seeds, but the distinction exists in the distribution of mineral elements. Calcium content is 0.25%~0.28% in the skin, and 0.1% in the seed. However, the content of other mineral elements are higher in the seed. Moreover, the mineral element contents of female snakegourd root are higher than those of male snakegourd root, which indicates that female snakegourd root has higher capability to absorb and preserve mineral elements.

Keywords: *Trichosanthes kirilowii* Maxim different organs mineral element distribution

收稿日期 2011-08-30 修回日期 网络版发布日期

DOI: 10.3976/j.issn.1002-4026.2012.01.009

基金项目:

“十二五”国家科技支撑计划课题 (2011BAI06B06)

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