

论文

国产马兜铃属的植物和生药研究:资源利用

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摘要:

在全国调查的基础上,对我国马兜铃属18种药用植物的原植物,进行分类鉴定、薄层比较,并分析18种马兜铃属植物的根(或根茎)中马兜铃总酸的含量。

关键词: 马兜铃分类鉴定 马兜铃酸

BOTANICAL AND PHARMACOGNOSTICAL STUDIES OF CHINESE ARISTOLOCHIA: RESOURCE UTILIZATION

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Abstract:

Aristolochia, an important medicinal plant genus, from which many Chinese herbal medicine have been derived. Ethnopharmacologically, they have been widely used in China as an antimicrobial, antiphlogistic, antidote, anodyne, and for the treatment of rheumatism, dysentery, gastroenteritis, snake-bite etc. Based on a countrywide survey, eighteen medicinal plant species have been studied in respect of their taxonomic identification and botanical distribution: By means of TLC and a polarographic method, the contents of total aristolochic acids in the roots or rhizomes of 18 Aristolochia medicinal species were estimated. The results showed that A. tuberosa, A. contorta, A. moupinensis, A. fordiana, A. mollis and A. hainanensis contained a higher percentage of total aristolochic acids, amounting to 0.4~1.1%, and A. tubiflora, A. kaempferi f. thibetica, A. debilis, A. tagala, A. fangchi, A. championii and A. kwangsiensis amounting to 0.25~0.36%, while the rest, A. mollissima, A. kaempferi f. heterophylla, A. austroszechuanica, A. versicolor and A. elegans, showed only very low content of aristolochic acids. The results obtained may be beneficial to the medicinal resource utilization of these plants.

Keywords: Aristolochic acids Taxonomic identification of Aristolochia

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