

论文

海风藤的原植物——腺鳞蒟与山药的比较研究

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摘要:

本文对模式产地的山药 *Piper hancei Maxim, var. hancei Maxim*, 和腺鳞蒟 *P. kancei Maxim var. squamiglanduferum Fan var. nov.* 进行了原植物形态特征和花序轴、花序梗、茎、叶的显微特征以及化学成分的 TLC 及 UV 比较。挥发油的 GC-MS 研究共鉴定出 38 个成分, 其中 28 个是胡椒属植物中首次报道的成分。结果证明了在福建长期以来被认为是山药的腺鳞蒟与模式产地的山药有较大差别, 尤其是腺鳞蒟叶上表面有腺鳞, 是迄今为止第 1 个发现具有腺鳞的胡椒属植物。据此把腺鳞蒟作为新变种从山药中分出。腺鳞蒟是福建南部海风藤主要来源之一。

关键词: 海风藤 腺鳞蒟 山药

STUDIES ON THE ORIGINAL PLANTS OF THE TRADITIONAL DRUG HAI FENG TENG: COMPARATIVE STUDIES BETWEEN PIPER HANCEI MAXIM. VAR HANOEI MAXIM. AND PIPER HANCEI MAXIM. VAR. SQUAMI GLANDUFERUM FAN  
ST Fan; ZW Su and CG Li

Abstract:

Based on scrutinizing literature and specimens and investigating original plants in habitats, the morphological characters and transverse sections of rhachis, peduncles, stems and leaves of *Piper hancei Maxim. var. squamiglanduferum Fan var. nov.* and *P. hancei Maxim. var. hancei Maxim.* were observed. Furthermore, the chemical constituents of the two varieties were compared by the methods of TLC and UV. And the chemical constituents of their essential oils were analysed by GC-MS. 38 compounds were identified and 28 of them were recorded for the first time for the genus *Piper* L. The results provide evidences that *P. hancei Maxim. var. squamiglanduferum Fan*, which has long been considered as *P. hancei Maxim. var. hancei Maxim.*, is obviously different from *P. hancei Maxim. var. hancei Maxim.* growing in type locality. Especially, there are glandular scales on the adaxial surface of its leaves and it is the first discovered *Piper species* which bears glandular scales. *P. hancei Maxim. var. squamiglanduferum Fan* is one of the main original plants of Haifengteng in southern Fujian.

Keywords: *P. hancei Maxim. var. squamiglanduferum Fan* *Piper hancei Maxim. var. hancei Maxim.* Haifengteng

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