



密穗马先蒿中黄酮和降倍半萜成分

投稿时间: 2011-01-28 责任编辑: 丁广治 [点此下载全文](#)

引用本文: 横洪标, 贺文军, 张玉梅, 嵇长久, 谭宁华. 密穗马先蒿中黄酮和降倍半萜成分[J]. 中国中药杂志, 2011, 36(19): 2672.

DOI: 10.4268/cjcm20111914

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基金项目: 国家杰出青年科学基金项目(30725048)

中文摘要: 目的: 研究密穗马先蒿 *Pedicularis densispica* 全草的化学成分。方法: 运用多种分离手段, 根据理化及波谱(1D, 2D-NMR, MS)数据确定化合物的结构。结果: 分离并鉴定了10个化合物, 分别为 acetin (1), apigenin-7-O- β -glucopyranoside (2), kaempferol-3,7-O- α -dirhamnopyranoside (3), scutellarein-7-O- β -glucopyranoside (4), chrysoeriol-7-O- β -glucopyranoside (5), pedicunicone A (6), dearabinosyl pneumonanthoside (7), salidroside (8), darendoside B (9), maltol- β -D-glucopyranoside (10)。结论: 以上化合物均为首次从该植物中分离得到, 除 6、8 外, 其余化合物均为首次从该属植物中分离得到。

中文关键词: 密穗马先蒿 黄酮 降倍半萜

Flavonoids and nor-sesquiterpenes of *Pedicularis densispica*

Abstract: Objective: To study the chemical constituents of the whole plants of *Pedicularis densispica*. Method: The chemical constituents were isolated by various chromatographic methods and their structures were determined by chemical evidences and spectral data. Result: Ten compounds were isolated and identified as acetin (1), apigenin-7-O- β -glucopyranoside (2), kaempferol-3,7-O- α -dirhamnopyranoside (3), scutellarein-7-O- β -glucopyranoside (4), chrysoeriol-7-O- β -glucopyranoside (5), pedicunicone A (6), dearabinosyl pneumonanthoside (7), salidroside (8), darendoside B (9), and maltol- β -D-glucopyranoside (10). Conclusion: These compounds were isolated from the titled plant for the first time. Except compounds 6 and 8, the others were obtained for the first time from the genus *Pedicularis*.

keywords: *Pedicularis densispica* flavonoids nor-sesquiterpenes

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