

GC-MS分析草珊瑚根茎叶的挥发油成分

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中文摘要:目的: 通过比较分析草珊瑚中根、茎、叶挥发油类化学成分的差异,来揭示草珊瑚不同部位药效差异,为评价草珊瑚质量提供实验依据。方法: 采用经典的水蒸气蒸馏法分别提取草珊瑚根、茎、叶的挥发油类化学成分,应用GC-MS分离鉴定各挥发油成分,并应用峰面积归一法计算百分含量。结果: 从草珊瑚根、茎、叶中鉴定出52个挥发油成分,根含有33个、茎含有41个、叶含有39个化合物,分别占其挥发油总重的83.99%,83.85%,93.32%,其中24个为共有成分,28个为非共有成分。结论: 草珊瑚根茎叶中挥发油化学成分在种类和主要成分含量都存在较大差异。

中文关键词:[草珊瑚](#) [挥发油](#) [气相色谱-质谱法](#)

GC-MS Analysis of Chemical Constituents of Volatile Oil from Roots Stems and Leaves of Sarcandrae Herba

Abstract:Objective: To compare the chemical constituents of volatile oil from roots, stems and leaves of Sarcandrae Herba, to reveal the pharmacodynamic differences of Sarcandrae Herba in different parts and provide scientific basis for its quality control. Method: The essential oil was extracted by stream distillation. The constituents were separated and identified by GC-MS. The relative content of each constituent was determined by area normalization method. Result: Fifty-two components of volatile oil were identified from different parts of *Sarcandra glabra*, thirty-three, forty-one and thirty-nine compounds from the roots, stems, and leaves of Sarcandrae herba were identified, accounted for 83.99%, 83.85%, 93.32% of total essential oil, respectively, of which twenty-four were same, while twenty-eight were different. Conclusion: The chemical constituents of volatile oils were quite different in kinds and main component content from the roots, stems, and leaves of Sarcandrae Herba.

keywords:[Sarcandrae Herba](#) [volatile oil](#) [GC-MS](#)

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