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摘要：目的：用气相色谱法建立冠宁注射剂（冻干粉针）中降香挥发油的指纹图谱。方法：用石油醚萃取制剂中的挥发油进行测定，HP-1石英毛细管柱（0.32mm×30m×1μm），FID检测器，程序升温，十四醇为内标，橙花叔醇为对照。结果：降香挥发油的指纹图谱由4个峰组成，其精密度、稳定性、重现性试验中共有峰相对保留时间和相对峰面积的RSD均小于3.0%。结论：该方法可以作为冠宁注射剂（冻干粉针）中降香挥发油的质量控制标准。

关键词：降香挥发油, 指纹图谱, 气相色谱, 冠宁注射剂

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Study on fingerprint of the volatile oil from lignum dalbergiae odoriferae of Guanxinning injection

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Abstract: Objective: To establish the GC fingerprint of the Volatile Oil from Lignum Dalbergiae Odoriferae of Guanxinning Injection. Methods: The volatile oil was extracted from Guanxinning Injection by petroleum ether. Gas chromatographic conditions were available as follows: HP-1 column (0.32mm×30m×1μm), FID detector, Temperature program was adopted, tetradecyl alcohol served as the internal standard, Nerolidol was the reference standard. Results: A total of 4 common peaks were indentified in the fingerprinting of the volatile oil from Lignum dalbergiae odoriferae, the RSD of relative retention time and peak area of common peaks in precision, stability and repeatability was less than 3.0%. Conclusion: this method can be used for the quality control of the Volatile Oil from Lignum Dalbergiae Odoriferae of Guanxinning Injection.

Key words: Lignum dalbergiae odoriferae, Fingerprint, Gas chromatography, Guanxinning injection, Hydroxypropyl-β-Cyclodextrin

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