

灵芝药材质量的HPLC指纹图谱评价方法

顾中演, 翁新楚

(上海大学 生命科学学院, 上海 200444)

RP-HPLC Fingerprint for Quality Assessment of *Ganoderma lucidum*

GU Zhong-yan, WENG Xin-chu

(School of Life Sciences, Shanghai University, Shanghai 200444, China)

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摘要 以灵芝药材为研究对象,应用RP-HPLC法,色谱柱为ZORBAX Eclipse XDB-C18(4.6 mm×250 mm, 5 Micon), 乙腈-乙酸的水溶液二元梯度洗脱模式,流速为0.8 mL/min,检测波长为242 nm,建立了10批不同产地灵芝样品的HPLC指纹图谱.同时对各产地药材指纹图谱进行分析,应用“中药色谱指纹图谱相似度评价系统”对各产地药材进行了质量评价.该方法简便、可靠,可用于灵芝的质量评价.

关键词: [灵芝](#) [指纹图谱](#) [高效液相色谱](#) [质量控制](#)

Abstract: To establish an RP-HPLC fingerprint analysis for quality control of *Ganoderma lucidum*, HPLC fingerprint analysis method of *Ganoderma lucidum* was developed. ZORBAX Eclipse XDB-C18 (4.6 mm×250 mm, 5-Micon) was used, with mixture of acetonitrile and water solution of acetic acid as mobile phase in a gradient mode. The flow rate was 0.8 mL/min. The wavelength used in the measurement was 242 nm. Ten batches of *Ganoderma lucidum* were determined. The HPLC fingerprint chromatograms of different producing area were analyzed. The samples' quality was assessed by Similarity Evaluation System for Chromatographic Fingerprint of TCM 2004. The method can be used to identify and evaluate the quality of *Ganoderma lucidum* conveniently.

Keywords: [Ganoderma lucidum](#), [fingerprint](#), [HPLC](#), [quality control](#)

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通讯作者 翁新楚

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