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食品安全检测专栏

LC/MS和LC-MS/MS定性检测保健品中非法添加的伐地那非

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摘要 采用LC/MS和LC-MS/MS法同时检测保健品中非法添加的伐地那非。用乙酸乙酯提取，以10 mmol•L^{-1}的甲酸铵（pH 3.5）和乙腈为流动相，分别用Agilent Zorbax SB C_{18}（150 mm×2.1 mm×5 μm）和Agilent Zorbax SB C_{18}（100 mm×2.1 mm×3.5 μm）色谱柱分离，采用电喷雾离子源，正离子扫描方式进行分析检测。该方法简便、快捷、可靠，适用于保健品中非法添加伐地那非的常规检测。

关键词 保健品 伐地那非 LC/MS LC-MS/MS

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Detection of Vardenafil in Health Products by LC/MS and LC-MS/MS

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Abstract Vardenafil in health products was detected simultaneously by LC/MS and LC-MS/MS. Ethyl acetate was used as the extraction solution. Mobile phase was included 10 mmol•L^{-1} ammonium formate (pH 3.5) and acetonitrile. Agilent Zorbax SB C 18（150 mm× 2.1 mm×5 μm）and Agilent Zorbax SB C18（100 mm × 2.1 mm×3.5 μm）columns were used to separate the ingredients， and mass data were acquired with the ESI(+) mode. The method is simple，rapid and specific. It is suitable for routine detection of vardenafil in health product.

Key words health products vardenafil LC/MS LC-MS/MS

DOI

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