药学学报 2007, 42(10) 1082-1086 DOI: ISSN: CN:

论文

药对川芎-羌活与其单味药挥发油共有组分的分析

李晓如;周涛;梁逸曾;邹桥;曾笑;张斌

中南大学 化学化工学院，湖南 长沙 410083

摘要：

利用气相色谱-质谱法分离检测药对川芎-羌活、单味药川芎和羌活的挥发油成分，再采用交互移动窗口因子分析法对药对川芎-羌活与单味药川芎、羌活挥发油成分的共有组分进行了分析，并采用总体积积分法定量。药对川芎-羌活、川芎和羌活的挥发油分别定性了79，65和71个成分，占总含量的95.39%，83.69%和96.04%。药对川芎-羌活分别与川芎、羌活的共有组分为45和63个，三者共有的挥发油组分为31个。药对川芎-羌活挥发油种类基本为两个单味药的加和，挥发油组分主要来自羌活。

关键词： 药对川芎-羌活 气相色谱-质谱 交互移动窗口因子分析法 挥发油 共有组分

Analysis of common volatile constituents in herbal pair *Chuanxiong Rhizome-Notoperygium Root* and its single herb

LI Xiao-ru; ZHOU Tao; LIANG Yi-zeng; ZOU Qiao; ZENG Xiao; ZHANG Bin

Abstract:

Analysis of common volatile constituents in herbal pair (HP) *Chuanxiong Rhizome* (CXR)-*Notoperygium root* (NR) and its single herb was performed by the method of alternative moving window factor analysis (AMWFA). In total, 65, 71, and 79 volatile chemical components in volatile oil of CXR, NR, and HP CXR-NR were separately determined qualitatively and quantitatively, accounting for 83.69%, 96.04% and 95.39% total contents of volatile oil of CXR, NR, and HP CXR-NR respectively. Analysis by the method of AMWFA indicates that there are 45 common volatile constituents in HP CXR-NR and single herb CXR, and 63 common volatile constituents in HP CXR-NR and single herb NR and 31 common volatile constituents among these three systems. The experimental results also show that the number of volatile chemical components in HP CXR-NR is almost equal to the sum of the number in the two single herbs, and volatile chemical components in HP CXR-NR are mainly from single herb NR.

Keywords: GC-MS alternative moving window factor analysis volatile oil common constituent herbal pair *Chuanxiong Rhizome-Notoperygium Root*

收稿日期 2007-03-23 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者: 李晓如

作者简介:

参考文献：

本刊中的类似文章

文章评论 (请注意:本站实行文责自负, 请不要发表与学术无关的内容!评论内容不代表本站观点.)

反馈人		邮箱地址	
反馈标题		验证码	5235