

论文

蛇床子中蛇床子素和欧前胡素的荧光薄层扫描法测定

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摘要:

本文报告了用简便方法,制备蛇床子中主要活性成分蛇床子素和欧前胡素对照品,并用荧光薄层扫描法测定了含量。将蛇床子用乙醇浸泡,上清液点于硅胶G-CMCNa薄层板上,以正己烷-醋酸乙酯(7:3)展开,在365nm紫外光的激发下,使用2号滤光片,进行线性扫描,外标一点法计算含量。

关键词: 蛇床子 蛇床子素 欧前胡素 荧光薄层扫描法

DETERMINATION OF OSTHOL AND IMPERATORIN IN *Cnidium monnieri* (L.) CUSS BY FLUOROMETRY TLC SCANNING

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Abstract:

The main active constituents—osthol and imperatorin were isolated from *Cnidium monnieri* (L.)Cuss and then used as standards for their determination in the crude drug by fluorometry TLCS.The fructus Cnidii was macerated with ethanol overnight and the ethanolic extract was spotted on a silica gel G-CMC Na plate. The plate was developed with n-hexane-ethyl acetate (7:3). The spot was excited by light of 365 nm, and determined in a Shimadzu CS-930 TLC scanner using a No. 2 filter. The peak areas of the two components were obtained, external standard method was used in the determination.The root, stem,leaf and flower of this plantwere shown to contain no osthol and imperatorin, and the seed was found to contain 2.0~3.2% of osthol and 1.8~2.5% of imperatorin.

Keywords: Osthol Imperatorin Fluorometry TLC scanning *Cnidium monnieri* (L.) Cuss.

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2. 杨宪;杨水平;张雪.蛇床子药材的高效液相色谱指纹图谱[J]. 药学报, 2007,42(8): 877-881
3. 沈丽霞;张丹参;张力;任雷鸣;常洁琴.蛇床子素对学习记忆的影响及其机制分析[J]. 药学报, 1999,34(6): 405-409
4. 沈丽霞;金乐群;张丹参;薛贵平.蛇床子素对AlCl₃致急性衰老模型小鼠记忆障碍的保护作用[J]. 药学报, 2002,37(3): 178-180
5. 安芳;王书华;张丹参;张力;穆金秀.蛇床子素在兔体内药物代谢动力学[J]. 药学报, 2003,38(8): 571-573
6. 李乐;庄斐尔;赵更生;赵东科.蛇床子素对豚鼠离体回肠和结肠带的作用[J]. 药学报, 1993,28(12): 899-904

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7. 郭文生; 吕扬; 杨青; 朱秋莉; 卢在镐; 李言; 郑启泰. 利用主客体分子包结现象选择分离蛇床子有效成分的方法[J]. 药学学报, 1994,29(11): 829-834
8. 李朝阳; 吴铁; 李青南; 林柏云; 梁念慈; 黄连芳; 崔燎. 蛇床子素对去卵巢大鼠近侧胫骨代谢影响的定量研究[J]. 药学学报, 1996,31(5): 327-332

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