

论文

姜黄及其制剂中姜黄素类化合物的高效液相色谱分离与测定

赵德永;杨模坤

四川省中药研究所,重庆

摘要:

关键词: 姜黄素 去甲氧基姜黄素 二去甲氧基姜黄素 姜黄 高效液相色谱

SEPARATION AND DETERMINATION OF CURCUMINOIDS IN *CURCUMA LONGA* L. AND ITS PREPARATION BY HPLC

ZHAO De-Yong and YANG Mo-Kun

Abstract:

A high performance liquid chromatographic method for the separation and determination of curcumin, demethoxycurcumin and bisdemethoxycurcumin in *Curcuma longa* L, and its preparation is reported in thispaper. Determination was carried out under the following conditions: column: YWG-C₁₈H₃₅, 10 μm 200×4.6 mm; N (naphtha-lene) =40000/m; eluant: THF—H₂O—glacial HOAc (36:58:6, V/V/V); pressure: 110 kg/cm²; flow rate: 1 ml/min; paper rate: 5mm/min; UV-254 nm; naphthalene was used as an internal standard. This method is quick and simple, and other yellow soluble substance of *Curcuma longa* L. did not interfere. Four crude drug samples obtained from Guangdong, Jiangxi and Sichuan, total curcuminoid extract and curcuminoid capsula were determined with satisfactory results.

Keywords: Demethoxycurcumin Bisdemethoxycurcumin *Curcuma longa* L. HPLC Curcumin

收稿日期 1985-05-04 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

参考文献:

本刊中的类似文章

1. 时平;陈蔚文;胡晓燕;于春晓;张鹏举;姜安丽;张建业.姜黄素上调前列腺癌细胞LNCaP中*maspin*基因的表达[J]. 药学报, 2006,41(12): 1152-1156
2. 叶社房;侯振清;钟李明;张其清.姜黄素对II相酶GST及NQO酶活性的诱导及其机制[J]. 药学报, 2007,42(4): 376-380
3. 王琰;胡文言;王慕邹.HPLC法测定中药莪术中3种姜黄素的含量[J]. 药学报, 1999,34(6): 467-470
4. 魏雪涛;蒋建军;吴涛;张宝旭.姜黄素拮抗亚砷酸钠所致的DNA链断裂损伤[J]. 药学报, 2002,37(11): 833-836
5. 杨磊;张莲英;陈蔚文;孔峰;张鹏举;胡晓燕;张建业;崔福爱.姜黄素对前列腺特异抗原基因表达的抑制[J]. 药学报, 2005,40(9): 800-803

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.)

扩展功能

本文信息

- ▶ Supporting info
- ▶ PDF(216KB)
- ▶ [HTML全文]
- ▶ 参考文献

服务与反馈

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ 引用本文
- ▶ Email Alert
- ▶ 文章反馈
- ▶ 浏览反馈信息

本文关键词相关文章

- ▶ 姜黄素
- ▶ 去甲氧基姜黄素
- ▶ 二去甲氧基姜黄素
- ▶ 姜黄
- ▶ 高效液相色谱

本文作者相关文章

- ▶ 赵德永
- ▶ 杨模坤

PubMed

- ▶ Article by
- ▶ Article by

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
反馈标题	<input type="text"/>	验证码	<input type="text" value="4680"/>