

论文

含炔雌醇复方避孕制剂的分析

吕湘林;汪秀云;曹秀玲

上海市药品检验所

摘要:

含炔雌醇的复方避孕制剂为使用最广泛的计划生育药物,目前尚缺乏良好的分析方法。为克服该类制剂中炔雌醇含量低和其它组分的干扰,研究了反相分离、紫外和荧光串联检测的HPLC方法。本法适用于各种含炔雌醇的复方制剂中各组分的直接测定,专属性好,较英美等国药典方法简便。

关键词: 复方炔诺酮 复方甲基炔诺酮 复方甲地孕酮 炔雌醇 避孕药 HPLC法

ANALYTICAL STUDIES ON COMPOUND PREPARATIONS CONTAINING ETHINYLOESTRODIOL

LU Xiang-Lin; WANG Xiu-Yun and CAO Xiu-Ling

Abstract:

Compound preparations of ethinyloestradiol are widely use in contraceptive drugs, but the ethinyloestradiol content in the preparations is less than 35 µg per tablet. The content was too low to be determined directly by the normal methods. A HPLC method has been developed for determination of ethinyloestradiol norethisterone and norgestrel acetate in the compound preparations after separation by µ-Bodapak ODS columnn with methaqualone as internal standard and MeOH—H<sub>2</sub>O (130:100) as a mobile phage using a UV—Fluorescence (FL) combination detector. For the detection of ethinyloestradiol FL was used and for all other drugs UV was usedThe UV-FL combined detection is favourable to overcome the difficulties of relatively low content in the Preparation and low absorptivity of the minor component. This method is accurate, rapid, sensitive and has a good linearity and suitable to various preparations.

Keywords: Norethisterone Norgestrel Megestrol acetate Contraceptive Drug HPLC Ethinyloestradiol

收稿日期 1985-09-24 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

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(387KB)
- [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

- 复方炔诺酮
- 复方甲基炔诺酮
- 复方甲地孕酮
- 炔雌醇
- 避孕药
- HPLC法

本文作者相关文章

- 吕湘林
- 汪秀云
- 曹秀玲

PubMed

- Article by
- Article by
- Article by

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
-----	----------------------	------	----------------------

反  
馈  
标  
题

验证码

0162