

论文

差示分光光度法测定牛黄类中成药中胆红素的含量

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摘要:

本文利用胆红素溶液在光照下易氧化变色及其吸收光谱发生显著变化的性质,在波长453 nm处,测其光照前后的吸收度差值(ΔA),ΔA与胆红素溶液浓度呈线性关系,对含牛黄的中成药(六应丸,六神丸和牛黄消炎丸)中胆红素进行了定量,并对其它组分进行了光照试验,排除了光照对其它组分的影响,从而确定了此法的可行性。

关键词: 胆红素 六应丸 六神丸 牛黄消炎丸 差示分光光度法

ASSAY OF BILIRUBIN OF OX GALLSTONE IN CHINESE PATENT MEDICINES BY DIFFERENTIAL SPECTROPHOTOMETRY

KY Ni; SZ Tu; B Yu and LL Zheng

Abstract:

This paper describes that the absorption spectrum of bilirubin solution was changed. obviously by photo-oxidation. The absorbance was measured at 453 nm before and after light irradiation. The contents of bilirubin of ox gallstone in Liuying pills, Liushen pills and Niuhuang Xiaoyan pills were determined by differential absorbance (AA). Calibration graph was linear in the range of 1.6~8.0μg/ml for ΔA. The average recoveries for three Chinese patent medicines were over 93%. Determinations of bilirubin in Chinese patent medicines were not affected by other components.

Keywords: Liuying pills Liushen pills Niuhang Xiaoyan pills Differential spectrophotometry Bilirubin

收稿日期 1989-08-31 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

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2. 韩咸泰;韩来敏.人工培植牛黄中主要成分的薄层色谱扫描法[J]. 药学报, 1986,21(11): 864-867
3. 郑文杰;李昌青;冯德雄.胆红素IX₀在碱溶液中的荧光性质和异构化作用[J]. 药学报, 1996,31(10): 785-789

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