Trs: [MPI] Editor Decision

Inbox ×

Cece Furwanti <cecefurwanti@yahoo.com> 9:45 AM (1 hour ago)

to me

Berikut saya teruskan email dari ibu kartini nggih bu 🙏 Terima kasih atas bantuannya.

Dikirim dari Yahoo Mail untuk iPhone

Mulai pesan yang diteruskan:

Pada Selasa, Januari 7, 2020, 2:14 PM, Kartini Kartini <kartini@staff.ubaya.ac.id> menulis:

> Cece Furwanti:
>
> We have reached a decision regarding your submission to Media Pharmaceutica Indonesiana (MPI), " Simultaneously HPLC determination of Lidocaine Hydrochloride and Hexachlorophene in Suppositories, and its Validation According USP 41".
>
> Our decision is to: Accept Submission
>
> Kartini Kartini
> kartini@staff.ubaya.ac.id
>
> ---
> Media Pharmaceutica Indonesiana (MPI)

Simultaneous HPLC determination of Lidocaine Hydrochloride and Hexachlorophene in a Suppository Product

Abstract

Introduction: Antihemoroid® suppository has been produced commercially by PT Kimia Farma, Indonesia. For QC purposes, a separated densitometric method for analysis of its active ingredients, lidocaine hydrochloride and hexachlorophene, was applied. **Objective:** The objective of this study was obtaining more efficient analysis method of LH and HC, therefore an HPLC procedure has been developed for the determination of both compounds simultaneously. **Methods:** AYMC-Triart C18 column was used with a gradient mobile phase consisting of acetonitrile and phosphate buffer 0.05 M (pH 6.0). Quantitative evaluation was performed at 220 nm. Method validation was performed according to the new methods of USP 41. **Result:** Showed that the HPLC method was simple, accurate, precise, and robust. **Conclusion:** The HPLC method can be applied in simultaneous determination of LH and HC in suppositories as a QC tool in the pharmaceutical industries.

Key words: hexachlorophene, HPLC, lidocaine HCl, method validation, suppository

1. Introduction

PT. Kimia Farma (Persero) Tbk., Plant Watudakon, Jombang, Indonesia, produced antihemoroid®suppository which have indication as anti-hemorrhoids;