

STANDARDIZATION OF CAPSULES WITH FLAMIN AND ORNIDAZOLE

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There is currently a trend towards the creation of combined drugs. When in a single tablet or capsule “all purpose”, the patient is much more likely that it will be treated successfully.

This method of administration of the drug called “compliance” (from the English. - Compliance), and the role of this combination of drugs can not be overstated.

For the treatment of bacterial infections of it was developed a pharmaceutical composition in the form of capsules with Flamin and Ornidazole, having high antimicrobial activity.

Flamin is dried herbal extract which made from immortelle flowers. It contains mainly flavonoids and the most important among them is chalcon isosalipurposide.

The aim of our research is to create methods of analysis of total flavonoids (chalcones) in capsules with flamin and ornidazole.

The analysis of the UV-spectra of Flamin ($\lambda_{\max} = 290$ and 370 nm), its main component izosalipurposide ($\lambda_{\max} = 370$ nm), and ornidazole ($\lambda = 319$ nm) can make the right choice of the wavelength for the analysis of the amount of flavonoids.

We have proposed to determine the flavonoids at 370 nm and not at 315 nm, as previously recommended drugs by pharmacopoeia’s monograph.

Analysis was performed using a spectrophotometer «Evolution 60S». In developing the method used officinal standard sample (FSO) izosalipurposide.

We analyzed a number of series of capsules with Flamin. The possibility for a direct spectrophotometria total of flavonoids in capsules at a wavelength 370 nm. We determined content of total flavonoids in the capsules should be not less than 0.01 g (not less than 1.6%) with the reference into isosalipurposide. We propose a project for the pharmacopoeia’s monograph for Flamin, which provides the use of standard isosalipurposide at new wavelength (370 nm) to determine the total of flavonoids in capsules with ornidazole and Flamin.