For determining dry extracts of Melissa and Peppermint TLH. The powder obtained in this way is removed into a measuring flask, added 5 ml of methanol, and processed by ultrasound for 5 minutes. Mix and filter it out. Apply to the plate solutions of the tested sample and standard in a line of 8 mm. 4 μ l of standard solution, 8 μ l of standard solution of peppermint extract, 8 μ l of standard solution of Melissa extract, 8 μ l of sample solution. Dry the plate and for 5 minutes heated 100-105 0 C, after cooling spray the plate showing a reagent aminoethyl ether of diphenylacetic acid - the first reagent for the manifestation. Consider the plate at 365 nm UV.

Conclusions: Identify dry extracts of valerian, leonurus, melissa and pepper mint by confirming the presence of the standard method of thin layer chromatography in the preparation "Sedarem".

SPECTROPHOTOMETRIC DETERMINATION OF BIOLOGICALLY ACTIVE SUBSTANCES AMONG THE DERIVATIVES O-HALOGEN NITROBENZOIC ACIDS

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Introduction. Among the aromatic acids important are replaced nitrobenzoic acids and their derivatives, interest that is due to high chemical activity that allows them to synthesize a number of structures. Based nitro-, bromo-, chloro-, 3-oxamoyil (suktsynoyil) - and 3- or 5-sulfamoyil substituted o-halogen benzoic acids synthesized and studied the biological activity of the following compounds: D - (+) - glucosylammonium salt; D - (+) - glucosamine; methyl esters; alkyl, aryl and heterylamides; hydrazides and their derivatives - R-edenhydrazides, arensulfohydrazides, β -N-atsylhydrazides, β -N- (o-tolylsuktsynamido) hydrazides; hydrazides, R-idenhydrazides 3-carboxy-2-chloroksanile and 3-carboxy-2-chlorsuktsynanile acids and their campaign, they, benzoyl peroxide and perbenzoic acid with chloro-, bromo-, sulfamoyil- and nitrosubstitutes at benzene ring.

Aim. The results of our research was discovered the possibility of using azo dyes derived imidazole for simultaneous extraction separation and spectrophotometric determination of ohalogen derivatives nitrobenzoic acids.

Materials and methods. The method of formation of derivatives assigned o-nitrobenzoic acids with halogen compounds such as azo dyes ionic associates that are able to be removed with chloroform. Important factors that affect the conditions of formation of associates, the difference in chemical properties of o-halogen nitrobenzoic acids and azo dyes.

Results and discussion. The dominant factor in the formation of ion associates in the aqueous phase is to create conditions for dominance anion nitrobenzoic acid derivative (A-) and azo dye cations (K +). Since azo dyes can exhibit properties amfolites and halogen derivatives of onitrobenzoic acids are weak organic acids is an important factor that affects the mechanism of extraction separation and spectrophotometric determination is to create an appropriate pH environment. An equally important factor is the selection of reagent concentrations of reagents and kinetic factors reaction.

Conclusions. Was studying the dependence extraction capacity of the location of substituents in the benzene ring, which allows extraction separation and spectrophotometric determination of orthohalogen derivatives nitrobenzoic acid in mixtures.