
utility of certain organic reagents for the spectrophotometric assay of histamine H₂-receptor antagonist

eslam ahmed gouda ibrahim

Contains the introduction which includes two parts : the first part gives an idea about histamine and histamine antagonists, and concentrate on H₂- receptor antagonists. A detailed discussion about the definitions , action and indications , metabolism and pharmacokinetics , chemical structures and chemical names, characters of the studied drugs cimetidine , ranitidine and famotidine are given . the second part gives a literature survey of the previous studies for the analysis of studied drugs including spectrophotometric , spectrofluorimetric ,ultra-violet spectrophotometric , titrimetric, physicochemical, electroanalytical and chromatographic methods. Contains the experimental part which includes apparatus used for measurement and procedures for the preparation of the solution of drugs and reagents. It also contains the proposed spectrophotometric methods for determination of the studied drugs in pure form , in dosage forms and in the presence of their oxidative degradates . Also , it contains pharmacopoeial and official methods for analysis of the studied drugs.