

# determination of omeprazole in pharmaceuticals by derivative spectroscopy

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The filtrate was further diluted with distilled water. Aoki S, Okumura M, Yashiki T, High-performance liquid chromatographic determination of lansoprazole and its metabolites in human serum and urine, *Journal of Chromatography and Biomedical Applications*. Rao RN, Raju A, Nagaraju D Enantiospecific resolution of rabeprazole by liquid chromatography on amylose-derived chiral stationary phase using photo diode array and polarimetric detectors in series, *Talanta*. An overview, *Journal of Pharmaceutical and Biomedical Analysis*. Domperidone [3] DOM chemically, [5-chloro[1,3-2,3-dihydrooxo-1Hbenzimidazole-1yl propyl piperidinyl-1,3-dihydro-2H-benzimidazoleone] is a dopamine antagonist. Robinson M Proton pump inhibitors: Hultman I, Stenhoff H, Liljeblad M Determination of esomeprazole and its two main metabolites in human, rat and dog plasma by liquid chromatography with tandem mass spectrometry, *J. Twenty capsules were weighed accurately. Co-efficient of variation was found to be 0. Moustafa M Spectrophotometric and chromatographic determination of rabeprazole in presence of its degradation products, J. In Facts and Comparisons Drug Information. E, Portugaliae Electrochimica Acta. Patel SA High performance thin layer chromatographic method for estimation of pantoprazole in injection, International research journal of pharmacy. Pharmacy and bioallied sciences. Log In Sign Up. Once the equations are determined, analysis requires only the measuring of the absorbance of the sample solution at two wavelengths selected, followed by a few simple calculations. A new derivative UV spectroscopic method was developed for the analysis of omeprazole in borate buffer (pH ; M). Second derivative spectra were generated between nm at N=9, ??= The linearity range for values obtained from second derivative spectra was ?g ml?1. The developed method. *J Pharm Biomed Anal. Oct;16(2) Determination of omeprazole in pharmaceuticals by derivative spectroscopy. Ozaltin N(1), Kocer A. Author information: (1)Department of Analytical Chemistry, Faculty of Pharmacy, Hacettepe University, Ankara, Turkey. A new derivative UV spectroscopic method was. Journal of Pharmaceutical and Biomedical Analysis 16 () Determination of omeprazole in pharmaceuticals by derivative spectroscopy1 Nuran O8 zalt?n a,\*, Aysegu?l Koc?er b a Elsevier Science B.V. Keywords: Omeprazole; Derivative UV spectroscopy; Pharmaceutical hard gelatin capsules 1. 1Department of Pharmaceutical Analysis, S. G. R. S. College of Pharmacy, Saswad, Pune. (MS), important benzimidazole derivative which is used in of omeprazole prompted the development of many methods for its detection and determination. Apart from official methods based on UV spectrometry [2,3], visible. Simultaneous Estimation of Domperidone and Esomeprazole. Magnesium in Bulk Abstract: Four simple spectrophotometric methods have been developed for simultaneous estimation of. Domperidone .. Ozaltin N, Kocer A. Determination of omeprazole in pharmaceuticals by derivative spectroscopy. *J. Pharm Biomed. spectrophotometric method is useful for the routine determination of domperidone and esomeprazole magnesium in its combined pharmaceutical dosage form. Keywords: First derivative zero crossing spectrophotometry; domperidone, esomeprazole magnesium. INTRODUCTION. Domperidone1 (DOM) chemically,] May 7, - Thus, the proposed method is applicable for routine determination of omeprazole and domperidone in pharmaceutical formulations. Keywords: Omeprazole First order UV derivative spectrophotometry in the analysis of omeprazole and pantoprazole sodium salt and corresponding impurities. *J. Pharm. KEY-WORDS: Naproxen, Esomeprazole, UV spectrophotometry, Simultaneous equation method, Absorption These methods included first derivative non-linear variable-angle synchronous fluorescence spectroscopy6 .. [17] Ozaltin N, Kocer A. Determination of omeprazole in pharmaceuticals by derivative spectroscopy. describe HPLC method for estimation of omeprazole. Literature survey reveals spectrophotometric 9, derivative UV spectroscopy 10, spectrofluorimetric 11, voltametric 12, LC-MS and HPLC methods for determination of omeprazole in pharmaceutical dosage forms as well as in biological fluids. The use of first order derivative spectrophotometry allowed simultaneous estimation of Omeprazole and Cinitapride, at their respective zero crossing point (ZCP) in fixed dose combination products. The absorbance values at nm (ZCP of cinitapride) and nm (ZCP of omeprazole) of first derivative spectrum were.****