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The Determination Antipyrine on Plasma by Spectrophotometer Ultra Violet-Visible

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Abstract

A spectrophotometer method of antipyrine has been used for the determination of analgesic antipyretic drug in human plasma. The objectives of this research were to obtained a rapid and validate new method for routine. The spectronic system was used UV detection at 230 nm for analyzed antipyrine in aqua pro injection. The sample pretreatment is a simple deproteination step by an organic solvent. The 1-octanosulphonic acid sodium salt as a counter-ion in the adsorption-partition phase system is added in order to increase the recovery of the almost complete protein-bound antipyrine. The critical value of /t / at the 5% confidence level indicates that there is no systematic error in the linearity proposed method. Recoveries for these seven serial concentrations were obtained at ranging 86.010 to 88.069%. The coefficient variations of precision at plasma concentration up to 50 ppm were obtained at ranging 0.433 to 3.871%. The minimum detectable concentration in aqueous was obtained at 2.5 µg.ml-1. This method was simple and accurate for using a routinely analyzed in plasma level guided and suitable for therapeutics drug monitoring studies.

Keyword : antipyrine, bio-analysis, spectrophotometer, UV-Vis, plasma,

Daftar Pustaka :
1. K Akira, (1999). Direct Detection of Antipyrine Metabolites in Rat Urine by 13C Labeling and NMR Spectroscopy. no info : Drug Metabolism and Disposition
3. RA Branch, (1976). The clearance of antipyrine and indo cyamine green in normal subjects and in patent with chronic liver diseases. no info : Clinical Pharmacology and Therapeutic
4. JA James, (1976). The clearance of antipyrine and indo cyamine green in normal subjects and in patent with chronic liver diseases. no info : Clinical Pharmacology and Therapeutic
5. AE Read, (1976). The clearance of antipyrine and indo cyamine green in normal subjects and in patent with chronic liver diseases. no info : Clinical Pharmacology and Therapeutic
15. RW Klecker, (1985). Quantification of suramin by reverse-phase ion pairing High Performance Liquid Chromatography. no info : J of Liq Chromatogr
16. JM Collins, (1985). Quantification of suramin by reverse-phase ion pairing High Performance Liquid Chromatography. no info : J of Liq Chromatogr