

Spectrofluorimetric Determination of Diiodohydroxyquinoline in Presence of Metronidazole in Pharmaceutical Formulation and Spiked Human Plasma

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Abstract

ABSTRACT Accurate and sensitive spectrofluorimetric method was developed for determination of diiodohydroxyquinoline in presence of metronidazole. In this method the native fluorescence of diiodohydroxyquinoline in water solvent at $\lambda_{\text{em}} 495$ nm when excitation was at 250 nm is used for its determination. Linear correlation was obtained in the concentration range of 400 to 900 ng mL⁻¹. The proposed method was successfully applied for determination of diiodohydroxyquinoline in bulk powder with mean accuracy of 100.21 ...

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