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Simultaneous UV Spectrophotometric Method for Estimation of Escitalopram Oxalate and Flupentixol Dihydrochloride in Tablet Dosage Form

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Abstract: A simple, accurate and precise spectrophotometric method has been developed for simultaneous estimation of escitalopram oxalate (ESC) and flupentixol dihydrochloride (FLU) in combined dosage form. Simultaneous equation method is employed for simultaneous determination of ESC and 230 from combined dosage forms. In this method, the absorbance was measured at 238 nm for ESC and 230 nm for FLU. Linearity was observed in range of 5-25 ug/ml and 0.5-2.5 ug/ml for ESC and FLU respectively. Recovery studies confirmed observed in range of 5-25 method and results were validated as per ICH guidelines. The method can be used for routine quality control of pharmaceutical formulation containing escitalopram oxalate and flupentixol.

Key words : Escitalopram oxalate, Flupentixol dihydrochloride, λ_{max} , Simultaneous equation method.

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