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Development and validation of combined dosage form of Toremide and Spironolactone in Ultra-violet spectroscopy by simultaneous equation method

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Abstract : A simple, accurate and precise spectrophotometric method has been developed for simultaneous estimation of Toremide (TOR) and Spironolactone (SPI) in combined dosage form. Simultaneous equation method (**Vierordt's method**) was employed for determination of TOR and SPI from combined dosage forms. In this method, the absorbance was measured at 288 nm for TOR and SPI from combined dosage forms. In range of 1-5 μ g/ml and 5-25 μ g/ml for TOR and SPI respectively. Recovery studies confirmed the accuracy of proposed method and results were validated as per ICH guidelines. The method can be used for routine quality control of pharmaceutical formulation containing Toremide and Spironolactone.

Keywords : λ_{max} , Simultaneous equation method, Spironolactone, Toremide.

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