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Spectrophotometric determination of Clinidipine, Efavirenz, Prazosin drugs by using Folin-Ciocalteu Reagent

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Abstract : For the determination of three drugs namely Cilnidipine (CDP), Efavirenz (EVZ), Prazosin (PRZ), a simple, fast, selective and accurate spectrophotometric method has been outlined. This method is based on the development of blue coloured chromogen due to reduction of tungstate and/ or molybdate in Folin-Ciocalteu reagent by Drug in alkaline medium. The coloured species has an absorption maximum at 730 nm, 745 nm and 770 nm and the Beer's law obeys over the concentration range of 12-72 µg/mL, 10-70 µg/mL, 3-21 µg/mL respectively for the drugs CDP, EVZ, PRZ. This method has been validated according to ICH guidelines and applied to the analysis of pharmaceuticals.

Keywords : Spectrophotometry, Folin-Ciocalteu reagent, drugs, pharmaceutical formulations.

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