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Banerjee SK, Vasava NM. Simultaneous estimation of amlodipine and rosuvastatin in combined bulk forms by RP-HPLC using ultraviolet detection. *Bull. Pharm. Res.* 2013;3(1): 29-33.

Abstract: The objective of the study was to develop simple RP-HPLC method for the simultaneous determination of amlodipine and rosuvastatin. In this method, kromasil C18 (100 mm, 4.6 mm, 5 μm) column was used. The mobile phase and flow rate used were {(acetonitrile 40, 55, 70, 40, 40) **:** (phosphate buffer 60, 45, 30, 60, 60)}, (Time 0.5, 2.0, 3.0, 3.0, 2.0)**.** UV detection was monitored at 239 nm. Calibration graphs were established for amlodipine and rosuvastatin respectively. The average retention time for amlodipine and rosuvastatin was found to be 2.40±0.16 min and 4.28±0.04 min, respectively. The intraday and Interday precision expressed as percent relative standard deviation was below 2%. The validated HPLC method was found to be rapid, precise and accurate and can be readily utilized for analysis of amlodipine and rosuvastatin in bulk forms.

Key words: Amlodipine, Rosuvastatin, RP-HPLC, Method development, Validation.

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