



DEVELOPMENT AND VALIDATION OF RP-HPLC METHOD FOR THE SIMULTANEOUS ESTIMATION OF IRBESARTAN AND ATORVASTATIN IN SYNTHETIC MIXTURE.

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A simple, accurate, rapid and precise reverse phase high performance liquid chromatographic method was developed for simultaneous estimation of Irbesartan and Atorvastatin in synthetic mixture. Inertsil C18, 150 mm x 4.6 mm, 5 μ m particle sizes in gradient mode with mobile phase Acetonitrile: 0.1% Formic acid (40: 60 v/v) and pH adjusted to 3.5 ± 0.1 with ortho phosphoric acid was used. The flow rate was 1.0 ml/min and absorbance of individual component was measured at 262 nm. The retention times of Irbesartan and Atorvastatin were found to be 3.993 and 7.733 min, respectively. Linearity for Irbesartan and Atorvastatin was in the range of 400 - 800 and 50- 100 μ g/ml with correlation coefficient values 0.9995 and 0.9994, the percentage recovery obtained was 99.88 and 99.70 %, respectively.

Reference:

Paras V, Sojitra R, Savaj B, Hashumati R, Jain V, Patel K, et al. Development and validation of RP-HPLC method for the simultaneous estimation of Irbesartan and Atorvastatin in synthetic mixture. *GCC Journal of Science and Technology* 2015; 1(1): 13-22