CONFERENCE ABSTRACT

ISSN (O): 2349-5332
CODEN: IRJPHY

DEVELOPMENT AND VALIDATION FOR ESTIMATION OF DRUG BY RP-HPLC METHOD IN BULK AND PHARMACEUTICAL DOSAGE FORM

K. N. Chandak , A. M. Rathi , N. S. Bhajipale

SGSPS Institute of Pharmacy, Akola

ABSTRACT :-

Analysis of every product is important but it is vital in medicines as it involves life. The use of single drug formulation is preferred for fewer side effects and quicker relief. Hence the present work was undertaken with an objective to develop an accurate, simple, precise and reliable method for Febuxostat drug in its single dosage form by RP-HPLC. Separation was achived with an inertsil-extend C_{18} HPLC column having an internal diameter of 4.6mm with partical size packing 5µm and a mobile phase comprising of Methanol : Water in a ration of (90:10) (0.05% OPA) was developed at a flow rate of 1.0 ml/min. The detection was carried out using a UV detector set at a wavelength of 315 nm. The retention time of Febuxostat was found to be 5.13 min.

KEYWORDS : Febuxostat, RP-HPLC, C_{18} HPLC column, Methanol, Water, (0.05%OPA), U.V detector.

Corresponding Author: K. N. Chandak

Indian Research Journal of Pharmacy and Science; 19(2018)1744;
Journal Home Page: https://www.irjps.in