

Mishra DK, Jain DK. Formulation and evaluation of valsartan sustained release matrix tablets. *Bull. Pharm. Res.* 2014;4(2):81-5.

**Abstract:** The present work was aimed to develop novel oral antihypertensive sustained release matrix tablets of Valsartan using HPMC K15M as polymer in different proportion by wet granulation method. Compatibility among the formulation components was assessed by DSC analysis. Compressed tablets were evaluated for various parameters like weight variation, drug content, hardness, friability, *in vitro* drug release and swelling behaviour. Release kinetics showed that *in vitro* release curve fitted under Korsmeyer and Peppas model which shows R<sup>2</sup> value 0.9930 highest as compared to other models. The results of dissolution study indicated that the formulation prepared by HPMC K15M at high concentration would produce better results.

**Key words:** Valsartan, HPMC, Sustained release, Matrix tablet, Antihypertensive.

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