



Controlled Release Society Indian Chapter

One Day National Seminar on

Translational Research: From Bench to Bedside

Sunday, 17th November, 2019

SOUVENIR & ABSTRACT BOOK

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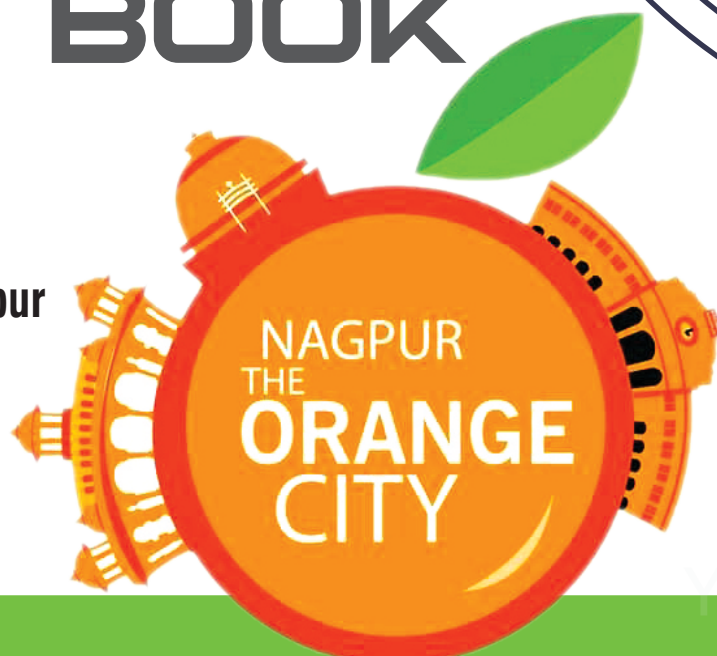
Affiliated to R.T.M. Nagpur University, Nagpur

Venue :

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SOUVENIR

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DEVELOPMENT AND CRITICAL EVALUATION OF IBUPROFEN FAST DISINTTEGRATING TABLET

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Abstract:

Aim- This study was aimed for the development and evaluation of fast disintegrating tablet (FDT) of Ibuprofen (IBF). **Objectives-** Formulation development and evaluation of FDT of IBF for the improvement of dissolution rate by using different excipient to provide rapid onset of action. **Methodology-** In the formulation of FDT of IBF we used sodium starch glycolate, croscarmellose and crospovidone as superdisintegrants in different ratios. The total 25 batches among them we selected five batches which were predicted by Design of expert. The tablets were prepared by direct compression technique. All formulations were tested for pre compression and post compression study. **Results and Discussion-** Among all batches F5 batch was showed the list disintegration time and 93% release the drug. **Conclusion-** with the help of different ratios of superdisintegrants we successfully formulated IBF FDT which can meet the compendial criteria.

Keywords

Fast disintegrating Tablet, Superdisintegrants, Ibuprofen, croscarmellose sodium, sodium starch glycolate.

