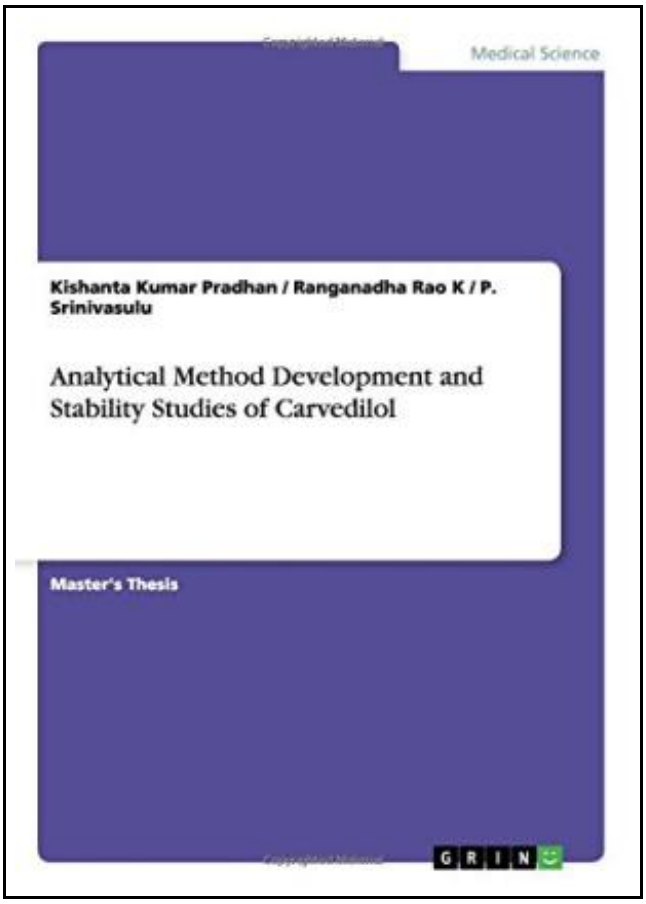
Analytical Method Development and Stability Studies of Carvedilol



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Reviews

This publication is definitely not simple to begin on studying but quite fun to see. It really is full of knowledge and wisdom I am just effortlessly can get a satisfaction of studying a created pdf.
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ANALYTICAL METHOD DEVELOPMENT AND STABILITY STUDIES OF CARVEDILOL

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GRIN Verlag Gmbh Jun 2015, 2015. Taschenbuch. Book Condition: Neu. 211x151x8 mm. Neuware - Master's Thesis from the year 2011 in the subject Medicine - Pharmacology, grade: 8.0, , course: B.Pharm.,M.Pharm, language: English, comment: This thesis was submitted in the year 2011 when I (Kishanta Kumar Pradhan) was lecturer at Royal College of Pharmacy and Helath Sciences, Berhampur, Odisha, India. The Project conducted under my guidance along with a person from industry. There after I have moved to Birla Institute of Technology, Mesra, Ranchi on 2012. I have been awarded with GOLD MEDAL being topper amongst all M.Pharm students by Governer of Odisha in the year 2008. I have also qualified GATE-2005. I have 20 publications in various national and international journals., abstract: A reverse phase high performance liquid chromatographic method (HPLC) has been developed for the method development validation of Carvedilol in bulk and pharmaceutical formulation by using YMC PACK PRO 4.6 X 150 mm (5µm Particle size). The mobile phase was Buffer: Acetonitrile: (70:30) and pH was adjusted to 2 pumped at a flow rate of 1 ml/min and the eluents were monitored at 320nm. Linearity was obtained in the concentration range of 10-90 g/ml. The retention time of Carvedilol was found to be 3.2 minute. The method was validated for specificity, accuracy, precision, linearity, and limit of detection, limit of quantification, robustness and solubility stability. LOD and LOQ were found to be 0.001 g/ml and 0.011 g/ml respectively. The method was statistically validated and RSD was found to be less than 2% indicating high degree of accuracy and precision of the proposed HPLC method. Stability study report revealed that the drug is susceptible for acidic, alkaline, oxidative, photolytic and UV degradation. The drug is stable to thermal degradation. More over the degradants were well separated from its...

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