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Formulation and Characterization of Ranitidine Hydrochloride

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Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Mucoadhesive Drug Delivery System | prepare and evaluate mucoadhesive drug delivery system of Ranitidine hydrochloride tablet using hydrophilic polymers in order to reduce dose frequency to match the initial release of the drug with the conventional dosage form. The formulation was designed adopting optimization technique, which helps in setting up experiments in such a manner that the information is obtained as efficiently and precisely as possible. Initially, considering buoyancy as the main criteria, blank tablets were compressed for different formulae with various polymers HPMC K 15 M, HPMC K 100 M, Carbopol 934. The tablets were prepared by direct compression method and evaluated for Ranitidine content, in vitro release profile and buoyancy. The dissolution study was carried out in simulated gastric fluid using USP dissolution test apparatus employing paddle stirrer. This indicates the suitability of the technique chosen for the present dosage form. | Format: Paperback | Language/Sprache: english | 140 pp.


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