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Gastric Floating Microcapsules of Metformin HCl

By Bipul Nath

LAP Lambert Acad. Publ. Sep 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x3 mm. This item is printed on demand - Print on Demand Neuware - Despite tremendous advancement in the drug delivery, oral route remains the preferred route for drug administration because of low cost therapy and ease of administration leads to higher levels of patient compliance. Metformin HCl, which is an antihyperglycaemic agent widely, used in the management of NIDDM, gives low bioavailability problem due to its site absorption limitations. Although, metformin extended release tablet formulations were well established, but it causes a great fluctuations in plasma drug levels and fail to improve the bioavailability. But microcapsule formulation offer several advantages over other sustained release systems, especially matrix type tablets; as they can be widely distributed throughout the GI tract and produce local high concentration of drug at the absorption site. Henceforth, the designing of floating microcapsules would be a suitable delivery system for metformin with a new choice of an economical, safe and more bioavailable formulation in the management of NIDDM. This book represents a unique attempt to overview the full range of approaches to the design of a dosage form for gastric retention of drug with absorption...



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