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(57) Abstract :

The present invention relates to the preparation of floating tablets of heengvastakvati were developed with an aim to prolong its gastric residence time and increase the bioavailability of drug. Rapid gastrointestinal transit could result in incomplete drug release from the drug delivery system above the absorption zone leading to diminished efficacy of the administered dose. Formulation was optimized on the basis of floating time and in vitro drug release. The results showed that the floating lag time for optimized formulation was found to be 30 second with about 97.32 % of total drug release within 3 hours. The vitro release profiles of drug from the formulation could be best expressed zero order with highest linearity $r^2 = 0.9943$. It was concluded that the gastroretentive drug delivery system can be developed for HeengvastakVati containing Piperine to increase the residence time of the drug in the stomach and thereby increasing bioavailability.

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