

Floating Drug Delivery Systems (FDDS) Review

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Abstract: *This review on floating drug delivery systems (FDDS) was written with the intention of gathering the most recent research with a particular focus on the main mechanism of flotation to induce stomach retention. The most current advancements in FDDS are reviewed in depth, along with the physiological factors and formulation factors impacting stomach retention, design strategies for single-unit and multiple-unit floating systems, and their classification and formulation characteristics. The techniques used in vitro, the in vivo tests used to gauge the effectiveness and use of floating systems, and the applications of these systems are all summarized in this paper. These systems are helpful for a number of issues that arise during the creation of a pharmaceutical dosage form.*

Keywords: Floating drug delivery system, Sustained release, controlled release, Floating tablet, Evaluation, Application, Gastro-retentive drug delivery system

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