

Special Issue: NCNN-2014

(National Conference on Nanoscience and Nanotechnology - 2014)

An Overview on Bilayered Tablet Technology: A Review

Evneet K. Bhatia*, Prabhanshu Vaishy, Ashwani Mishra, A.K Pathak

Department of Pharmacy, Barkatullah University, Bhopal- 462026, India, Email: Evneet16@gmail.com

www.peertechz.com

Bi-layer tablets have been developed to achieve controlled delivery of different drugs with pre-defined release profiles. The introduction of bilayer tablet in the last decade had developed an interest in developing a combination of two or more active ingredients in a single dosage form in the pharmaceutical industry, promoting patient compliance and acceptance. Bi-layer tablet is suitable for release of two drugs in combination or inseparate layer for the delivery of two incompatible substances and also for sustained release tablet in which one Layer is immediate release as initial dose and second layer is loading dose. Bi-layer tablets is an effective drug delivery system for the treatment of hypertension, diabetes, inflammation and analgesic because in these diseases combination therapies are often used. Bilayer tablet is improved beneficial technology to overcome the shortcoming of the single layered tablet. This review explains the therapeutic advantages of bilayer tablet by releasing the medicaments for the immediate relief and then maintaining the level of medicament for the certain time in order to get the sustain release of drug.