

The drug concentration of the second drug layer is higher than the first layer, and therefore ascending release can be achieved through the drug concentration gradient. In the later stages of drug release, although the matrix erosion rate slowed, the majority of the matrix had dissolved, thus reducing the barrier and so the drug release rate was still increasing. Compression-coated tablets include glipizide marketed tablets (Glucotrol XL, Pfizer of USA), nifedipine controlled release tablets (Adalat, Bayer of Germany), amoxicillin and potassium clavulanate compression-coated tablets (Moxicle TM, Korea) and more. It has been used in the pharmaceutical field for many purposes, such as separating incompatible drugs and combining drugs to achieve different therapeutic effects [10], protecting drugs with oxygen labile, acid-labile, light-sensitive or hygroscopic characteristics [11], for delayed release [12], pulsatile release [13], colon-specific release [14], programmable release, to modify pH sensitivity [15,16] and more.