

A Review on Modified Release Dosage Form

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Abstract: Among the various routes of drug delivery oral route is most preferred route. But conventional dosage form offers few limitations which could be resolved by modifying the existing dosage form. Sustained and controlled drug delivery system helps in maintaining of constant plasma drug concentration and retards the release rate of drug thereby extending the duration of action. Modified release drug products allow at least a two-fold reduction in dosing when compared to a drug that is presented in a conventional immediate release form. Modified release drug products are designed to release active pharmaceutical ingredient over a longer duration of time; At least, longer than an Immediate release (I.R) formulation. Many Pharmaceutical companies also utilize the proprietary advantages of Modified release formulations to extend the patent life cycle of commercial products thereby bringing in new business.

Keywords: Modified release, plasma drug concentration, controlled & Sustained release, immediate release

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