

CONTROLLED RELEASE OF DRUGS FROM TABLET COATINGS

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1 INTRODUCTION

Controlled-release technology for drug delivery applications is designed to target the drug to particular places or cells in the body, to overcome certain tissue and cellular barriers, and to control the duration and level of the drug in the body within a specified therapeutic window. This usually implies achieving a prolonged, zero-order release rate over the desired duration of drug delivery. Controlled-release dosage forms provide sustained drug release and require less frequent drug loading than conventional forms. Thus, the toxic side effects of the drug are minimized and