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Nota di contenuto	ORAL CONTROLLED RELEASE FORMULATION DESIGN AND DRUG DELIVERY: Theory to Practice; CONTENTS; PREFACE; CONTRIBUTORS; 1 INTRODUCTION AND OVERVIEW OF ORAL CONTROLLED RELEASE FORMULATION DESIGN; 2 EVOLUTION OF ORAL CONTROLLED RELEASE DOSAGE FORMS; 3 BIOPHARMACEUTIC CONSIDERATION AND ASSESSMENT FOR ORAL CONTROLLED RELEASE FORMULATIONS; 4 PREFORMULATION CONSIDERATION FOR DRUGS IN ORAL CR FORMULATION; 5 POLYMERS IN ORAL MODIFIED RELEASE SYSTEMS; 6 ORAL EXTENDED RELEASE HYDROPHILIC MATRICES: FORMULATION AND DESIGN; 7 COATING SYSTEMS FOR ORAL CONTROLLED RELEASE FORMULATIONS 8 FLUID BED COATING AND GRANULATION FOR CR DELIVERY; 9

CONTROLLED RELEASE USING BILAYER OSMOTIC TABLET TECHNOLOGY: REDUCING THEORY TO PRACTICE; 10 FAST DISINTEGRATING TABLETS; 11 BUCCAL DRUG DELIVERY SYSTEMS; 12 ORAL TARGETED DRUG DELIVERY SYSTEMS: GASTRIC RETENTION DEVICES; 13 ORAL TARGETED DRUG DELIVERY SYSTEMS: ENTERIC COATING; 14 ORALLY ADMINISTERED DRUG DELIVERY SYSTEMS TO THE COLON; 15 DISSOLUTION TESTING: IN VITRO CHARACTERIZATION OF ORAL CONTROLLED RELEASE DOSAGE FORMS; 16 CHALLENGES AND NEW TECHNOLOGIES OF ORAL CONTROLLED RELEASE; 17 ORAL CONTROLLED DRUG DELIVERY: QUALITY BY DESIGN (QbD) Approach to Drug Development; 18 ORAL CONTROLLED RELEASE-BASED PRODUCTS FOR LIFE CYCLE MANAGEMENT; 19 GENERIC ORAL CONTROLLED RELEASE PRODUCT DEVELOPMENT: FORMULATION AND PROCESS CONSIDERATIONS; 20 THE SCIENCE AND REGULATORY PERSPECTIVES OF EMERGING CONTROLLED RELEASE DOSAGE FORMS; INDEX

Sommario/riassunto

This book describes the theories, applications, and challenges for different oral controlled release formulations. This book differs from most in its focus on oral controlled release formulation design and process development. It also covers the related areas like preformulation, biopharmaceutics, in vitro-in vivo correlations (IVIVC), quality by design (QbD), and regulatory issues.
