Tablet Dissolution Test Apparatus

Recognizing the way ways to acquire this ebook **Tablet Dissolution Test Apparatus** is additionally useful. You have remained in right site to begin getting this info. acquire the Tablet Dissolution Test Apparatus member that we present here and check out the link.

You could purchase guide Tablet Dissolution Test Apparatus or acquire it as soon as feasible. You could quickly download this Tablet Dissolution Test Apparatus after getting deal. So, bearing in mind you require the books swiftly, you can straight acquire it. Its hence extremely easy and in view of that fats, isnt it? You have to favor to in this make public

Modern Pharmaceutics Gilbert S. Banker 2002-05-24 "Completely revised and expanded throughout. Presents a comprehensive integrated, sequenced approach to drug dosage formulation, design, and evaluation. Indentifies the pharmacodynamic and physicochemical factors influencing drug action through various routes of administration."
Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems Loyd Allen 2014-01-30 Long established as a trusted core text for pharmaceutics courses, this gold standard book is the most comprehensive source on pharmaceutical dosage forms and drug delivery systems available today. Reflecting the CAPE, APhA, and NAPLEX® competencies, Ansel’s Pharmaceutical Dosage Forms and Drug Delivery Systems covers physical pharmacy, pharmacy practice, pharmaceutics, compounding, and dosage forms, as well as the clinical application of the various dosing forms in patient care. This Tenth Edition has been fully updated to reflect new USP standards and features a dynamic new full color design, new coverage of prescription flavoring, and increased coverage of expiration dates.
The Drugs and Cosmetics Act, 1940
Modern Pharmaceutics Volume 1 Alexander T. Florence 2009-05-28 With over 100 illustrations, Volume 1 addresses the core disciplines of pharmaceutics (absorption, PK, excipients, tablet dosage forms, and packaging), and explores the challenges and paradigms of pharmaceutics. Key topics in Volume 1 include: • principles of drug absorption, chemical kinetics, and drug stability • pharmacokinetics • the effect of route of administration and distribution on drug action • in vivo imaging of dose forms: gamma scintigraphy, PET imaging NMR, MRI, etc. • powder technology • excipient design and characterization • preformulation • optimization techniques in pharmaceutical formulation and processing • disperse and surfactant systems • the solid state, tablet dosage forms, coating processes, and hard and soft shell capsules • parenteral products
Handbook of Pharmaceutical Manufacturing Formulations, Third Edition Sarfaraz K. Niazi 2019-12-06 The Handbook of Pharmaceutical Manufacturing Formulations, Third Edition: Volume One, Compressed Solid Products is an authoritative and practical guide to the art and science of formulating drugs for commercial manufacturing. With thoroughly revised and expanded content, this first volume of a six-volume set, compiles data from FDA new drug applications, patent applications, and other sources of generic and proprietary formulations to cover the broad spectrum of GMP formulations and issues in using these formulations in a commercial setting. A must-have collection for pharmaceutical manufacturers, educational institutions, and regulatory authorities, this is an excellent platform for drug companies to benchmark their products and for generic companies to formulate drugs coming off patent.
Developing Solid Oral Dosage Forms Yihong Qiu 2009-03-10 Developing Solid Oral Dosage Forms is intended for pharmaceutical professionals engaged in research and development of oral dosage forms. It covers essential principles of physical pharmacy, biopharmaceutics and industrial pharmacy as well as various aspects of state-of-the-art techniques and approaches in pharmaceutical sciences and technologies along with examples and/or case studies in product development. The objective of this book is to offer updated (or current) knowledge and skills required for rational oral product design and development. The specific goals are to provide readers with: Basics of modern theories of physical pharmacy, biopharmaceutics and industrial pharmacy and their applications throughout the entire process of research and development of oral dosage forms Tools and approaches of preformulation investigation, formulation/process design, characterization and scale-up in pharmaceutical sciences and technologies New developments, challenges, trends, opportunities, intellectual property issues and regulations in solid product development The first book (ever) that provides comprehensive and in-depth coverage of what's required for developing high quality pharmaceutical products to meet international standards It covers a broad scope of topics that encompass the entire spectrum of solid dosage form development for the global market, including the most updated science and technologies, practice, applications, regulation, intellectual property protection and new development trends with case studies in every chapter A strong team of more than 50 well-established authors/co-authors of diverse background, knowledge, skills and experience from industry, academia and regulatory agencies
Pharmaceutics Av Yadav 2016-06-16 Introduction to Pharmaceutics and its Scope - Development of a New Drug - Introduction to Dosage Forms of Drugs - History and Development of Profession of Pharmacy - Introduction to Pre-formulation - Biopharmaceutics - Good Manufacturing Practices - Introduction to Pre-formulation - Biopharmaceutics - Good Manufacturing Practices - Introduction to Alternative Systems of Medicines - Drug Delivery Systems - Biological Products - Packaging of Pharmaceuticals - Bibliography - Index
Chitin, Chitosan, and Related Enzymes John Zikakis 2012-12-02 Chitin, Chitosan, and Related Enzymes documents the proceedings of a four-day joint United States-Japan seminar held at the University of Delaware. The said seminar is aimed to explore the potential of the application of chitin, chitosan, and related products in different scientific fields. The book is divided into six parts. Part I covers the application of chitin and chitosan to pharmaceutical preparations. Part II discusses the applications of chitin and its derivatives. Part III features chitin and chitosan in relation to enzymology and genetic engineering. Respectively covered in Parts IV, V, and VI are the chemical and physical structure of chitin and chitosan; biochemical and physiological properties of chitin and its derivatives; the effects of phosphate on chitin production; and the development of chitin as a suture as well as for orthopedic uses. The text is recommended for biochemists who would like to know more or make further studies about the different applications of chitin, chitosan, and related enzymes.
Applied Pharmaceutics in Contemporary Compounding Robert P. Shrewsbury 2015-01-01 Applied Pharmaceutics in Contemporary Compounding, Third Edition is designed to convey a fundamental understanding of the principles and practices involved in both the development and the production of compounded dosage forms by applying pharmaceutical principles.
Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems Loyd V. Allen 2021-08-16 The most trusted source on the subject available today, Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems, 12th Edition equips pharmacy students with everything they need to master the intricacies of pharmaceutical dosage form design and production and achieve successful outcomes in their courses and beyond. Reflecting the latest CAPE, APhA, and NAPLEX® competencies, this trusted, extensively updated resource clarifies the interrelationships between pharmaceutical and biopharmaceutical principles, product design, formulation, manufacture, compounding, and the clinical application of the various dosage forms in patient care, as well as regulations and standards governing the manufacturing and compounding of pharmaceuticals. New and revised content throughout keeps students up to date with current approaches to key coverage areas, and additional case studies demonstrate concepts in action to reinforce understanding and prepare students for the clinical challenges ahead.
Molecular Pharmacology Angel Catala 2020-12-16 This book concentrates on recent developments related to the application of original structural biology, biochemistry, biophysics, physiology, genetics, and molecular biology as well as basic pharmacological problems that offer mechanistic insights that are generally significant for the field of pharmacology. Written by experts, chapters cover such topics as drug transport mechanisms and drug–receptor complexes. This

volume offers up-to-date, expert reviews of the fast-moving field of molecular pharmacology.
Drug Design and Development Chris Rostron 2020-05-15 Drug Design and Development outlines the processes involved in the design and development of new drugs and emphasises the significance of these processes to the practice of pharmacy.
FASTtrack Pharmaceutics Dosage Form and Design, 2nd edition David S. Jones 2016-06-13 FASTtrack Pharmaceutics – Dosage Form and Design focuses on what you really need to know in order to pass your pharmacy exams. It provides concise, bulleted information, key points, tips and an all-important self-assessment section, including MCQs.
The British Pharmacopoeia, 1864 to 2014 Anthony C. Cartwright 2016-03-09 The British Pharmacopoeia has provided official standards for the quality of substances, medicinal products and articles used in medicine since its first publication in 1864. It is used in over 100 countries and remains an essential global reference in pharmaceutical research and development and quality control. This book explores how these standards have been achieved through a comprehensive review of the history and development of the pharmacopoeias in the UK, from the early London, Edinburgh and Dublin national pharmacopoeias to the creation of the British Pharmacopoeia and its evolution over 150 years. Trade in medicinal substances and products has always been global, and the British Pharmacopoeia is placed in its global context as an instrument of the British Empire as it first sought to cover the needs of countries such as India and latterly as part of its role in international harmonisation of standards in Europe and elsewhere. The changing contents of the pharmacopoeias over this period reflect the changes in medical practice and the development of dosage forms from products dispensed by pharmacists to commercially manufactured products, from tinctures to the latest monoclonal antibody products. The book will be of equal value to historians of medicine and pharmacy as to practitioners of medicine, pharmacy and pharmaceutical analytical chemistry.
Dissolution Theory, Methodology, and Testing Arthur H. Kibbe 2007-01-01
Basic Pharmacokinetics, Second Edition Mohsen A. Hedaya 2012-02-09 Knowledge of pharmacokinetics is critical to understanding the absorption, distribution, metabolism, and excretion of drugs. It is therefore vital to those engaged in the discovery, development, and preclinical and clinical evaluation of drugs, as well as practitioners involved in the clinical use of drugs. Using different approaches accessible to a wide variety of readers, Basic Pharmacokinetics: Second Edition demonstrates the quantitative pharmacokinetic relations and the interplay between pharmacokinetic parameters. After a basic introduction to pharmacokinetics and its related fields, the book examines: Mathematical operations commonly used in pharmacokinetics Drug distribution and clearance and how they affect the rate of drug elimination after a single dose Factors affecting drug absorption following extravascular drug administration, the rate and extent of drug absorption, and drug bioequivalence The steady-state concept during constant rate intravenous infusion and during multiple drug administration Renal drug elimination, drug metabolism, multicompartment models, nonlinear pharmacokinetics, and drug administration by intermittent intravenous infusion Pharmacokinetic-pharmacodynamic modeling, noncompartmental pharmacokinetic data analysis, clearance concept from the physiological point of view, and physiological modeling Clinical applications of pharmacokinetics, including therapeutic drug monitoring, drug pharmacokinetics in special populations, pharmacokinetic drug-drug interactions, pharmacogenomics, and applications of computers in pharmacokinetics Accompanying the book is a CD-ROM with self-instructional tutorials and pharmacokinetic and pharmacokinetic-pharmacodynamic simulations, allowing visualization of concepts for enhanced comprehension. This learning tool received an award from the American Association of Colleges of Pharmacy for innovation in teaching, making it a valuable supplement to this essential text.
Oral Drug Absorption Jennifer B. Dressman 2016-04-19 Oral Drug Absorption, Second Edition thoroughly examines the special equipment and methods used to test whether drugs are released adequately when administered orally. The contributors discuss methods for accurately establishing and validating in vitro/in vivo correlations for both MR and IR formulations, as well as alternative approaches for MR an
Pharmaceutical Process Scale-Up Michael Levin 2001-12-12 Focusing on scientific and practical aspects of process scale-up, this resource details the theory and practice of transferring pharmaceutical processes from laboratory scale to the pilot plant and production scale. It covers parenteral and nonparenterel liquids and semi-solids, products derived from biotechnology, dry blending and powder handling,
Controlled Release in Oral Drug Delivery Clive G. Wilson 2011-09-22 Controlled Release in Oral Drug Delivery provides focus on specific topics, complementing other books in the initial CRS series. Each chapter sets the context for the inventions described and describe the latitude that the inventions allow. In order to provide some similar look to each chapter, the coverage includes the historical overview, candidate drugs, factors influencing design and development, formulation and manufacturing and delivery system design. This volume was written along three main sections: the relevant anatomy and physiology, a discussion on candidates for oral drug delivery and the major three groups of controlled release systems: diffusion control (swelling and inert matrices); environmental control (pH sensitive coatings, time control, enzymatic control, pressure control) and finally lipidic systems.
Hydrophilic Matrix Tablets for Oral Controlled Release Peter Timmins 2014-10-11 This detailed volume addresses key issues and subtle nuances involved in developing hydrophilic matrix tablets as an approach to oral controlled release. It brings together information from more than five decades of research and development on hydrophilic matrix tablets and provides perspective on contemporary issues. Twelve comprehensive chapters explore a variety of topics including polymers (hypromellose, natural polysaccharides and polyethylene oxide) and their utilization in hydrophilic matrices, critical interactions impacting tablet performance, in vitro physical and imaging techniques, and microenvironmental pH control and mixed polymer approaches, among others. In one collective volume, Hydrophilic Matrix Tablets for Oral Controlled Release provides a single source of current knowledge, including sections of previously unpublished data. It is an important resource for industrial and academic scientists investigating and developing these oral controlled release formulations.
Bentley's Textbook of Pharmaceutics - E-Book Sanjay Kumar Jain 2012-05-14 This adaptation of Bentley's Textbook of Pharmaceutics follows the same goals as those of the previous edition, albeit in a new look. The content of the old edition has been updated and expanded and several new chapters, viz. Complexations, Stability Testing as per ICH Guidelines, Parenteral Formulations, New Drug Delivery Systems and Pilot Plant Manufacturing, have been included, with an intention to make the book more informative for the modern pharmacists. The book has six sections: Section I deals with the physicochemical principles. Two new chapters: Complexations and ICH Guidelines for Stability Testing, have been added to make it more informative. Section II conveys the information regarding pharmaceutical unit operations and processes. Section III describes the area of pharmaceutical practice. Extensive recent updates have been included in many chapters of this section. Two new chapters: Parenteral Formulations and New Drug Delivery Systems, have been added. Section IV contains radioactivity principles and applications. Section V deals with microbiology and animal products. Section VI contains the formulation and packaging aspects of pharmaceuticals. Pilot Plant Manufacturing concepts are added as a new chapter, which may be beneficial to readers to understand the art of designing of a plant from the pilot plant model.
In Vitro-In Vivo Correlations David B. Young 2013-03-08 This book represents the invited presentations and some of the posters presented at the conference entitled "In Vitro-In Vivo Relationship (IVIVR) Workshop" held in Sep tember, 1996. The workshop was organized by the IVIVR Cooperative Working Group which has drawn together scientists from a number of organizations and institutions, both academic and industrial. In addition to Elan Corporation, which is a drug delivery com pany specializing in the development of ER (Extended Release) dosage forms, the IVIVR Cooperative Working Group consists of collaborators from the University of Maryland at Baltimore, University College Dublin, Trinity College Dublin, and the University of Not tingham in the UK. The principal collaborators are: Dr. Jackie Butler, Elan Corporation Prof. Owen Corrigan, Trinity College Dublin Dr. lain Cumming, Elan Corporation Dr. John Devane, Elan Corporation Dr. Adrian Dunne, University College Dublin Dr. Stuart Madden, Elan Corporation Dr. Colin Melia, University of Nottingham Mr. Tom O'Hara, Elan Corporation Dr. Deborah Piscitelli, University of Maryland at Baltimore Dr. Araz Raoof, Elan Corporation Mr. Paul Stark, Elan Corporation Dr. David Young, University of Maryland at Baltimore The purpose of the workshop was to discuss new concepts and methods in the devel opment of in vitro-in vivo relationships for ER products. The original idea went back ap proximately 15 months prior to the workshop itself. For some time, the principal collaborators had been working

together on various aspects of dosage form development.

The Japanese Pharmacopoeia 1996

"Fast dissolving tablets " Dr.G.SANDHYARANI Guggilla

In Vitro Drug Release Testing of Special Dosage Forms Nikoletta Fotaki 2019-10-10 Guides readers on the proper use of in vitro drug release methodologies in order to evaluate the performance of special dosage forms In the last decade, the application of drug release testing has widened to a variety of novel/special dosage forms. In order to predict the in vivo behavior of such dosage forms, the design and development of the in vitro test methods need to take into account various aspects, including the dosage form design and the conditions at the site of application and the site of drug release. This unique book is the first to cover the field of in vitro release testing of special dosage forms in one volume. Featuring contributions from an international team of experts, it presents the state of the art of the use of in vitro drug release methodologies for assessing special dosage forms' performances and describes the different techniques required for each one. In Vitro Drug Release Testing of Special Dosage Forms covers the in vitro release testing of: lipid based oral formulations; chewable oral drug products; injectables; drug eluting stents; inhalation products; transdermal formulations; topical formulations; vaginal and rectal delivery systems and ophthalmics. The book concludes with a look at regulatory aspects. Covers both oral and non-oral dosage forms Describes current regulatory conditions for in vitro drug release testing Features contributions from well respected global experts in dissolution testing In Vitro Drug Release Testing of Special Dosage Forms will find a place on the bookshelves of anyone working with special dosage forms, dissolution testing, drug formulation and delivery, pharmaceutics, and regulatory affairs.

Biopharmaceutics Applications in Drug Development Rajesh Krishna 2007-09-20 The highly experienced authors here present readers with step-wise, detail-conscious information to develop quality pharmaceuticals. The book is made up of carefully crafted sections introducing key concepts and advances in the areas of dissolution, BA/BE, BCS, IVIC, and product quality. It provides a specific focus on the integration of regulatory considerations and includes case histories highlighting the biopharmaceutics strategies adopted in development of successful drugs.

The International Pharmacopoeia World Health Organization 1979 The International Pharmacopoeia contains a collection of recommended methods for analysis and quality specifications for pharmaceutical substances, excipients and products. Volume five of this publications describes methods and procedures for the quality control of pharmaceutical substances and tablets, tests for dosage forms for suppositories and opthalmic preparations, and a new section on quality control of anti-malarials. Supplementary information on International Chemical Reference Substances and International Reference Spectra, and on the establishment, maintenance and distribution of chemical reference substances are also included.

Modern Pharmaceutics, Two Volume Set Alexander T. Florence 2016-04-19 This new edition brings you up-to-date on the role of pharmaceutics and its future paradigms in the design of medicines. Contributions from over 30 international thought leaders cover the core disciplines of pharmaceutics and the impact of biotechnology, gene therapy, and cell therapy on current findings. Modern Pharmaceutics helps you stay current

Pharmaceutical Dissolution Testing Jennifer J. Dressman 2005-07-08 An expertly written source on the devices, systems, and technologies used in the dissolution testing of oral pharmaceutical dosage forms, this reference provides reader-friendly chapters on currently utilized equipment, equipment qualification, consideration of the gastrointestinal physiology in test design, the analysis and interpretation of data and procedure automation -laying the foundation for the creation of appropriate and useful dissolution tests according to the anticipated location and duration of drug release from the dosage form within the gastrointestinal tract.

The Pharmacist 2007

Pharmaceutics – Practical Manual (According to the PCI new Syllabus as per ER-2020) D. Pharm- First year Mr. Dhaneshwar Kumar Vishwakarma, Dr. Jai Narayan Mishra 2022-05-21 The book has been designed for pharmacy students as per the new syllabus (ER-2020) prescribed by Pharmacy Council of India (PCI). This book contains essential information that students gathered knowledge for formulation various dosage forms and prepare for competitive as well as annual or semester examination. Its primary objective is to provide knowledge about various formulation aspect which helpful for formulating a dosage form. This textbook has been written in easy language to ensure a lower reading level and understandable contents than ever. This book covers all major pharmaceutics dosage forms formulation. This book contains many chapters, each providing a description of various dosage forms formulation and their evaluation like syrup, suspension, emulsion, cream, ointment, lotion, lineaments, gel, tablets capsule, dusting powder, effervescent powder, injection, cosmetic preparation, evaluation of tablets, capsule, emulsion, parenteral products, and use of insulin pen, inhalers and spacer.

Practical Pharmaceutical Engineering Gary Prager 2018-11-28 A practical guide to all key the elements of pharmaceuticals and biotech manufacturing and design Engineers working in the pharmaceutical and biotech industries are routinely called upon to handle operational issues outside of their fields of expertise. Traditionally the competencies required to fulfill those tasks were achieved piecemeal, through years of self-teaching and on-the-job experience—until now. Practical Pharmaceutical Engineering provides readers with the technical information and tools needed to deal with most common engineering issues that can arise in the course of day-to-day operations of pharmaceutical/biotech research and manufacturing. Engineers working in pharma/biotech wear many hats. They are involved in the conception, design, construction, and operation of research facilities and manufacturing plants, as well as the scale-up, manufacturing, packaging, and labeling processes. They have to implement FDA regulations, validation assurance, quality control, and Good Manufacturing Practices (GMP) compliance measures, and to maintain a high level of personal and environmental safety. This book provides readers from a range of engineering specialties with a detailed blueprint and the technical knowledge needed to tackle those critical responsibilities with confidence. At minimum, after reading this book, readers will have the knowledge needed to constructively participate in contractor/user briefings. Provides pharmaceutical industry professionals with an overview of how all the parts fit together and a level of expertise that can take years of on-the-job experience to acquire Addresses topics not covered in university courses but which are crucial to working effectively in the pharma/biotech industry Fills a gap in the literature, providing important information on pharmaceutical operation issues required for meeting regulatory guidelines, plant support design, and project engineering Covers the basics of HVAC systems, water systems, electric systems, reliability, maintainability, and quality assurance, relevant to pharmaceutical engineering Practical Pharmaceutical Engineering is an indispensable "tool of the trade" for chemical engineers, mechanical engineers, and pharmaceutical engineers employed by pharmaceutical and biotech companies, engineering firms, and consulting firms. It also is a must-read for engineering students, pharmacy students, chemistry students, and others considering a career in pharmaceuticals.

Principles and Applications of Biopharmaceutics and Pharmacokinetics Late Dr. H.P Tipnis and Dr. Amrita Bajaj 2019-03-01

Encyclopedia of Pharmaceutical Technology James Swarbrick 2013-07-01 Presenting authoritative and engaging articles on all aspects of drug development, dosage, manufacturing, and regulation, this Third Edition enables the pharmaceutical specialist and novice alike to keep abreast of developments in this rapidly evolving and highly competitive field. A dependable reference tool and constant companion for years to com

Basic Pharmacokinetics Mohsen A. Hedaya 2007-04-23 This volume is a self-instructional computer-assisted medium for active learning. Indeed, the tutorial materials included in the accompanying compact disk have received an award from the American Association of Colleges of Pharmacy for innovation in teaching. This volume and its companion CD are intended for students and practitioners in the health professions who need to comprehend the concepts and principles related to how the body absorbs, distributes, metabolizes, and excretes drugs. "...The author's reliance on active learning, his use of examples illustrating important pharmacokinetic principles, and particularly the thoughtful simulation tools he has developed make this text and its companion CD an extremely effective and enjoyable introduction to the field of pharmacokinetics." From the Foreword, Ronald J. Sawchuk Minneapolis, Minnesota Pharmacokinetics has become an essential component of all the processes involved in drug development, discovery, and preclinical evaluation, as well as with the clinical use of drugs. While this has led to the development of many highly complex techniques, basic pharmacokinetic concepts remain the backbone of all these new developments. Consequently, a thorough understanding of the basic concepts is essential before one can tackle the more involved and applied areas of pharmacokinetics. Basic Pharmacokinetics consists of two parts:

textual printed materials and highly interactive computer-based presentations. Together, these provide a useful combination that makes it easy to grasp basic principles. The computer-based information is presented in a self-instructional format, which introduces concepts, utilizing highly interactive graphical presentations and simulations. It visualizes the interplay between the different pharmacokinetic parameters, observing how the change in one or more of these parameters impacts the drug concentration-time profile in the body. Uniquely and carefully designed, the learning modules in the CD closely support and complement the text, providing the learner with an opportunity to reinforce his or her understanding of the principles presented.

Extended-Release Dosage Forms Laezek Krowczynski 2020-03-25 First Published in 1987, this book offers a full, comprehensive guide to the process of administering the correct dosage in medicine. Carefully compiled and filled with a vast repertoire of notes, diagrams, and references this book serves as a useful reference for students of medicine, and other practitioners in their respective fields.

Dispensing of Medication Robert E. King 1984

Handbook of Pharmaceutical Manufacturing Formulations Sarfaraz K. Niazi 2016-04-19 The fourth volume in the series covers the techniques and technologies involved in the preparation of semisolid products such as ointments, creams, gels, suppositories, and special topical dosage forms. Drug manufacturers need a thorough understanding of the specific requirements that regulatory agencies impose on the formulation and efficacy deter

Pharmaceutical Statistics Sanford Bolton 2009-12-23 Through the use of practical examples and solutions, Pharmaceutical Statistics: Practical and Clinical Applications, Fifth Edition provides the most complete and comprehensive guide to the various statistical applications and research issues in the pharmaceutical industry, particularly in clinical trials and bioequivalence studies.

Formulation and Analytical Development for Low-Dose Oral Drug Products Jack Zheng 2009-03-04 There are unique challenges in the formulation, manufacture, analytical chemistry, and regulatory requirements of low-dose drugs. This book provides an overview of this specialized field and combines formulation, analytical, and regulatory aspects of low-dose development into a single reference book. It describes analytical methodologies like dissolution testing, solid state NMR, Raman microscopy, and LC-MS and presents manufacturing techniques such as granulation, compaction, and compression. Complete with case studies and a discussion of regulatory requirements, this is a core reference for pharmaceutical scientists, regulators, and graduate students.