Handbook Of Pharmaceutical Excipients 6th Edition

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Handbook of Pharmaceutical Granulation Technology - Dilip M. Parikh 2021-05-12
This fully revised edition of Handbook of Pharmaceutical Granulation Technology covers the rapid advances in the science of agglomeration, process control, process modelling, scale-up, emerging particle engineering technologies, along with current regulatory changes presented by some of the prominent scientist and subject matter experts around the globe. Learn from more than 50 global subject matter experts who share their years of experience in areas ranging from drug delivery and pharmaceutical technology to advances in nanotechnology. Every pharmaceutical scientist should own a copy of this fourth edition resource. Key Features: Theoretical discussions covering granulation and engineering perspectives. Covers new advances in expert systems, process modelling and bioavailability Chapters on emerging technologies in particle engineering Updated Current research and developments in granulation technologies

Pharmaceutical Powder Compaction Technology, Second Edition - Metin Çelik 2016-04-19
Compaction of powder constituents—both active ingredient and excipients—is examined to ensure consistent and reproducible disintegration and dispersion profiles. Revised to reflect modern pharmaceutical compacting techniques, this second edition of Pharmaceutical Powder Compaction Technology guides pharmaceutical engineers, formulation scientists, and product development and quality assurance personnel through the compaction formulation process and application. This unique reference covers: The physical structure of pharmaceutical compacts Bonding phenomena that occur during powder compaction Compression mechanisms of pharmaceutical particles Theories and basic principles of powder compaction New topics include: Compaction data analysis techniques The migration of powder constituents into commercial manufacture Instrumentation for

compaction Compaction functionality testing, which is likely to become a USP requirement Design space for compaction Metrics required for scalability in tablet compression Interactive compaction and preformulation database for commonly used excipients

Pharmaceutical Applications - Ponnadurai Ramasami 2021-10-25

Based on "The Virtual Conference on Chemistry and its Applications (VCCA-2020) – Research and Innovations in Chemical Sciences: Paving the Way Forward" held in August 2020 and organized by the Computational Chemistry Group of the University of Mauritius. The chapters reflect a wide range of fundamental and applied research in the chemical sciences and interdisciplinary subjects.

Parenteral Medications, Fourth Edition - Sandeep Nema 2019-07-19

Parenteral Medications is an authoritative, comprehensive reference work on the formulation and manufacturing of parenteral dosage forms, effectively balancing theoretical considerations with practical aspects of their development. Previously published as a three-volume set, all volumes have been combined into one comprehensive publication that addresses the plethora of changes in the science and considerable advances in the technology associated with these products and routes of administration. Key Features: Provides a comprehensive reference work on the formulation and manufacturing of parenteral dosage forms Addresses changes in the science and advances in the technology associated with parenteral medications and routes of administration Includes 13 new chapters and updated chapters throughout Contains the contributors of leading researchers in the field of parenteral medications Uses full color detailed illustrations, enhancing the learning process The fourth edition not only reflects enhanced content in all the chapters but also highlights the rapidly advancing formulation, processing, manufacturing parenteral technology including advanced delivery and cell therapies. The book is divided into seven sectionss: Section 1 - Parenteral Drug Administration and Delivery Devices; Section 2 - Formulation Design and Development; Section 3 - Specialized Drug Delivery Systems; Section 4 - Primary Packaging and Container Closure Integrity; Section 5 - Facility Design and Environmental Control; Section 6 - Sterilization and Pharmaceutical Processing; Section 7 - Quality Testing and Regulatory Requirements

WHO Expert Committee on Specifications for Pharmaceutical Preparations - WHO Expert Committee on Specifications for Pharmaceutical Preparations 2014

The Expert Committee on Specifications for Pharmaceutical Preparations works towards clear, independent and practical standards and guidelines for the quality assurance of medicines. Standards are developed by the Committee through worldwide consultation and an international consensus-building process. The following new guidelines were adopted and recommended for use, in addition to 20 monographs and general texts for inclusion in The International Pharmacopoeia and 11 new International Chemical Reference Substances. The International Pharmacopoeia - updating mechanism for the section on radiopharmaceuticals; WHO good manufacturing practices for pharmaceutical products: main principles; Model quality assurance system for procurement agencies; Assessment tool based on the model quality assurance system for procurement agencies: aide-memoire for inspection; Guidelines on submission of documentation

for prequalification of finished pharmaceutical products approved by stringent regulatory authorities; and Guidelines on submission of documentation for a multisource (generic) finished pharmaceutical product: quality part.

Edible Coatings and Films to Improve Food Quality, Second Edition - Elizabeth A. Baldwin 2011-08-24

Since the publication of the first edition of this text, ever-increasing coatings research has led to many developments in the field. Updated and completely revised with the latest discoveries, Edible Coatings and Films to Improve Food Quality, Second Edition is a critical resource for all those involved in buying, selling, regulating, developing, or using coatings to improve the quality and safety of foods. Topics discussed in this volume include: The materials used in edible coatings and films The chemical and physical properties of coatings and how the coating or film ingredients affect these properties How coatings and films present barriers to gases and water vapors How coatings and films can improve appearance, or conversely, result in discoloration and cause other visual defects, as well as how to avoid these problems The use of coatings and films on fresh fruit and vegetables, fresh-cut produce, and processed foods How to apply coatings to various commodities How coatings can function as carriers of useful additives, including color, antioxidants, and flavorings Regulation of coatings and coating ingredients by various governing bodies The information contained in this volume is destined to encourage further advances in this field for food and pharmaceutical products. Aggressive research into these products can help to reduce plastic waste, improve applications, lead to greater efficacy, and make regulatory decisions easier in a global climate—ultimately resulting in economical, heightened quality of food and pharmaceutical products.

Handbook of Drug Administration via Enteral Feeding Tubes, 3rd edition - Rebecca White 2015-03-11

With over 400 drug monographs, this book covers the technical, practical and legal aspects that you should consider before prescribing or administering drugs via enteral feeding tubes.

Applications of Polymers in Drug Delivery - Ambikanandan Misra 2020-10-02

Applications of Polymers in Drug Delivery, Second Edition, provides a comprehensive resource for anyone looking to understand how polymeric materials can be applied to current, new, and emerging drug delivery applications. Polymers play a crucial role in modulating drug delivery and have been fundamental in the successful development of many novel drug delivery systems. This book describes the development of polymeric systems, ranging from conventional dosage forms to the most recent smart systems. Regulatory and intellectual property aspects as well as the clinical applicability of polymeric drug delivery systems are also discussed. The chapters are organized by specific delivery route, offering methodical and detailed coverage throughout. This second edition has been thoroughly revised to include the latest developments in the field. This is an essential book for researchers, scientists, and advanced students, in polymer science, drug delivery, pharmacology/pharmaceuticals, materials science, tissue engineering, nanomedicine, chemistry, and biology. In industry, this book supports scientists, R&D, and other professionals, working on polymers for drug delivery applications. Explains how polymers can be

prepared and utilized for all major drug delivery routes Presents the latest advances, including drug targeting, polymeric micelles and polymersomes, and the delivery of biologicals and nucleic acid therapeutics Includes appendices with in-depth information on pharmaceutical properties of polymers and regulatory aspects

Handbook of Pharmaceutical Manufacturing Formulations - Sarfaraz K. Niazi 2004-04-27

The third volume in the six-volume Handbook of Pharmaceutical Manufacturing Formulations, this book covers liquid drugs, which include formulations of non-sterile drugs administered by any route in the form of solutions (monomeric and multimeric), suspensions (powder and liquid), drops, extracts, elixirs, tinctures, paints, sprays, colloidons, emul

Handbook of Pharmaceutical Manufacturing Formulations - Safaraz K. Niazi 2016-04-19

No other area of regulatory compliance receives more attention and scrutiny by regulatory authorities than the regulation of sterile products, for obvious reasons. With the increasing number of potent products, particularly the new line of small protein products, joining the long list of proven sterile products, the technology of manufacturing ster

Pharmaceutical Excipients 2001 - Pharmaceutical Press 2001-12-01

Pharmaceutical Dosage Forms - Parenteral Medications - Sandeep Nema 2016-04-19

This three-volume set of Pharmaceutical Dosage Forms: Parenteral Medications is an authoritative, comprehensive reference work on the formulation and manufacture of parenteral dosage forms, effectively balancing theoretical considerations with the practical aspects of their development. As such, it is recommended for scientists and engineers in the pharmaceutical industry and academia, and will also serve as an excellent reference and training tool for regulatory scientists and quality assurance professionals. First published in 1984 (as two volumes) and then last revised in 1993 (when it grew to three volumes), this latest revision will address the plethora of changes in the science and considerable advances in the technology associated with these products and routes of administration. The third edition of this book maintains the features that made the last edition so popular but comprises several brand new chapters, revisions to all other chapters, as well as high quality illustrations. Volume three presents: • An in-depth discussion of regulatory requirements, quality assurance, risk assessment and mitigation, and extractables/leachables. • Specific chapters on parenteral administrations devices, injection site pain assessment, and parenteral product specifications and stability testing. • Forward-thinking discussions on the future of parenteral product manufacturing, and siRNA delivery systems. • New chapters covering recent developments in the areas of visual inspection, quality by design (QbD), process analytical technology (PAT) and rapid microbiological methods (RMM), and validation of drug product manufacturing process.

Handbook of Polymers for Pharmaceutical Technologies, Biodegradable Polymers - Vijay Kumar Thakur 2015-09-23

Polymers are one of the most fascinating materials of the present era finding their applications in almost every aspects of life. Polymers are either directly available in nature or are chemically synthesized and used depending upon the targeted applications.Advances

in polymer science and the introduction of new polymers have resulted in the significant development of polymers with unique properties. Different kinds of polymers have been and will be one of the key in several applications in many of the advanced pharmaceutical research being carried out over the globe. This 4-partset of books contains precisely referenced chapters, emphasizing different kinds of polymers with basic fundamentals and practicality for application in diverse pharmaceutical technologies. The volumes aim at explaining basics of polymers based materials from different resources and their chemistry along with practical applications which present a future direction in the pharmaceutical industry. Each volume offer deep insight into the subject being treated. Volume 1: Structure and Chemistry Volume 2: Processing and Applications Volume 3: Biodegradable Polymers Volume 4: Bioactive and Compatible Synthetic/Hybrid Polymers

Handbook of Polymers for Pharmaceutical Technologies, Processing and Applications - Vijay Kumar Thakur 2015-07-27

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Advanced Functional Materials - Nevin Tasaltin 2020-11-26

This book was written by authors in the field of preparation of advanced functional materials and their wide-ranging applications. The topics in the book include: preparation of several advanced functional materials, and their applications in sensors, health, concrete, textile, glasses, and pharmacy. In this book, the authors focused on recent studies, applications, and new technological developments in fundamental properties of advanced functional materials.

Integrated Pharmaceutics - Antoine Al-Achi 2013-02-11

Focusing on the application of physical pharmacy, drug design, and drug regulations as they relate to produce effective dosage forms for drug delivery, Integrated Pharmaceutics provides a comprehensive picture of pharmaceutical product design, describing the science and art behind the concepts of dosage form development. Combining physical pharmacy, product design, and regulatory affairs issues in a single book, the authors address topics governing drug regulations of United States, European, and Japanese agencies and detail new regulatory guidelines, including quality by design, design space analysis, and blend sample uniformity.

Handbook of Pharmaceutical Excipients - Raymond C. Rowe 2006

The Handbook of Pharmaceutical Excipients is a comprehensive, uniform guide to the uses, properties, and safety of pharmaceutical excipients. It collects in a systematic and unified manner, essential data on the physical and chemical properties of excipients. Information has been assembled from a variety of sources, including the primary literature and excipients manufacturers. Personal observations and comments from contributors are also included.

Lyophilization of Biopharmaceuticals - Henry R. Costantino 2004

Humans have been experimenting with lyophilization, or freeze-drying, as a method to preserve biological structures for over a thousand years. This comprehensive volume, intended for scientists in both academia and industry, covers a wide range of topics relevant to the formulation of peptide and protein drugs in the freeze-dried state.

Advanced Materials in Drug Release and Drug Delivery Systems - Katarzyna Winnicka 2021-09-03

Development of new drug molecules is costly and requires longitudinal, wide-ranging studies; therefore, designing advanced pharmaceutical formulations for existing and well-known drugs seems to be an attractive device for the pharmaceutical industry. Properly formulated drug delivery systems can improve pharmacological activity, efficacy and safety of the active substances. Advanced materials applied as pharmaceutical excipients in designing drug delivery systems can help solve problems concerning the required drug release—with the defined dissolution rate and at the determined site. Novel drug carriers enable more effective drug delivery, with improved safety and with fewer side effects. Investigations concerning advanced materials represent a rapidly growing research field in material/polymer science, chemical engineering and pharmaceutical technology. Exploring novel materials or modifying and combining existing ones is now a crucial trend in pharmaceutical technology. Eleven articles included in the the Special Issue “Advanced Materials in Drug Release and Drug Delivery Systems” present the most recent insights into the utilization of different materials with promising potential in drug delivery and into different formulation approaches that can be used in the design of pharmaceutical formulations.

Handbook of Pharmaceutical Excipients - Raymond C. Rowe 2009-01-01

An internationally acclaimed reference work recognized as one of the most authoritative and comprehensive sources of information on excipients used in pharmaceutical formulation with this new edition providing 340 excipient monographs. Incorporates information on the uses, and chemical and physical properties of excipients systematically collated from a variety of international sources including: pharmacopeias, patents, primary and secondary literature, websites, and manufacturers' data; extensive data provided on the applications, licensing, and safety of excipients; comprehensively cross-referenced and indexed, with many additional excipients described as related substances and an international supplier's directory and detailed information on trade names and specific grades or types of excipients commercially available.

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.

Polysaccharides - Mohd Imran Ahamed 2021-05-25

In diesem Werk werden Polysaccharide unter sämtlichen Aspekten betrachtet, von den Grundkonzepten bis zur kommerziellen Vermarktung. Thema der einzelnen Kapitel sind die verschiedenen Arten von Quellen, die Klassifikation, Eigenschaften, Charakterisierung, Verarbeitung, Rheologie und Herstellung von Materialien auf Grundlage von Polysacchariden sowie von Polysaccharid-Gemischen und -Gelen. Anwendung finden Polysaccharide u. a. in der Kosmetik, der Lebensmittelwissenschaft, der Medikamentenverabreichung, der Biomedizin, der Biokraftstoffproduktion, der Schifffahrt, im Verpackungswesen, in der Chromatographie und der Umweltsanierung. Darüber hinaus vermittelt das Werk einen Überblick über die Herstellung von anorganischen und Kohlenstoff-Nanomaterialien aus Polysacchariden. Mit der Betrachtung industrieller Anwendungen schließt das Buch die Lücke zwischen der Forschungsarbeit im Labor und wirtschaftlich nutzbaren Anwendungen in entsprechenden Unternehmen.

Alkyl Polyglucosides - Ivana Pantelic 2014-07-04

The on-going ‘green’ trend in the personal care industry coupled with global environmental concerns, place natural-origin, biodegradable and skin-friendly surfactants such as alkyl polyglucosides (APGs) in high demand. After successful use in cosmetics, sufficient data has been obtained to welcome some sugar emulsifiers into the field of drug dosage. Alkyl Polyglucosides presents a comprehensive compendium which guides a researcher from the APG-related preformulation stages to formulation processing, including the investigation of various APG-stabilized systems skin performance. This book introduces various APG representatives, their benefits in relation to certain conventional surfactants, physicochemical and interfacial properties, possible interaction with commonly used ingredients and diverse characterization techniques indispensable for the assessment of colloidal systems. The first chapter introduces alkyl polyglucosides, followed by chapters on their properties, behaviour, an overview of the patent protection mechanisms and guidelines for submitting patent applications. Finally, a conclusion surveys international patent applications involving APGs. Introduces the field of alkyl polyglucoside emulsifiers, listing all the contemporary and newly synthesized APG emulsifiers Provides detailed information on various aspects of APG-based structures Reveals potential of APG-stabilized vehicles as prospective delivery systems using several model drugs and cosmetic actives Includes an up-to-date review of research conducted in the field of APGs, facilitating future preformulation and formulation studies for researchers Offers a concise and practical compendium of characterization techniques

Aulton's Pharmaceutics - Michael E. Aulton 2013

"Pharmaceutics is the art of pharmaceutical preparations. It encompasses design of drugs, their manufacture and the elimination of micro-organisms from the products. This book encompasses all of these areas."--Provided by publisher.

Strategies to Modify the Drug Release from Pharmaceutical Systems - Marcos Luciano Bruschi 2015-06-16

Since the earliest dosage forms to modern drug delivery

systems, came a great development and growth of knowledge with respect to drug delivery. Strategies to Modify the Drug Release from Pharmaceutical Systems will address principles, systems, applications and advances in the field.It will be principally a textbook and a reference source of strategies to modify the drug release. Moreover, the characterization, mathematical and physicochemical models, applications and the systems will be discussed. Addresses the principles, systems, applications and advances in the field of drug delivery Highlights the mathematical and physicochemical principles related to strategies Discusses drug release and its possible modifications

Excipient Development for Pharmaceutical, Biotechnology, and Drug Delivery Systems - Ashok Katdare 2006-07-28

To facilitate the development of novel drug delivery systems and biotechnology-oriented drugs, the need for new excipients to be developed and approved continues to increase. Excipient Development for Pharmaceutical, Biotechnology, and Drug Delivery Systems serves as a comprehensive source to improve understanding of excipients and forge new avenue

The Art, Science, and Technology of Pharmaceutical Compounding - Loyd V. Allen 2002

Presents all the information a pharmacy student needs to understand the purpose and processes of compounding in a logical and progressive format. This comprehensive reference provides practitioners with essential information on establishing, equipping, and operating a compounding facility. Over 200 formulations cover all the dosage forms and delivery systems of modern medications. Written by eminent experts, 25 chapters discuss all aspects of good manufacturing practices, and emphasizes quality control measures for all aspects of compounding medications.

Voigt's Pharmaceutical Technology - Alfred Fahr 2018-02-21

A textbook which is both comprehensive and comprehensible and that offers easy but scientifically sound reading to both students and professionals Now in its 12th edition in its native German, Voigt's Pharmaceutical Technology is an interdisciplinary textbook covering the fundamental principles of pharmaceutical technology. Available for the first time in English, this edition is produced in full colour throughout, with a concise, clear structure developed after consultation with students, instructors and researchers. This book: Features clear chapter layouts and easily digestible content Presents novel trends, devices and processes Discusses classical and modern manufacturing processes Covers all formulation principles including tablets, ointments, capsules, nanosystems and biopharmaceutics Takes account of legal requirements for both qualitative and quantitative composition Addresses quality assurance considerations Uniquely relates contrasting international pharmacopeia from EU, US and Japan to formulation principles Includes examples and text boxes for quicker data assimilation Written for both students studying pharmacy and industry professionals in the field as well as toxicologists, biochemists, medical lab technicians, Voigt’s Pharmaceutical Technology is the essential resource for understanding the various aspects of pharmaceutical technology.

ADMET for Medicinal Chemists - Katya Tsaioun 2011-02-15

This book guides medicinal chemists in how to implement early ADMET testing in their workflow in order to improve both the speed and efficiency of their efforts.

Although many pharmaceutical companies have dedicated groups directly interfacing with drug discovery, the scientific principles and strategies are practiced in a variety of different ways. This book answers the need to regularize the drug discovery interface; it defines and reviews the field of ADME for medicinal chemists. In addition, the scientific principles and the tools utilized by ADME scientists in a discovery setting, as applied to medicinal chemistry and structure modification to improve drug-like properties of drug candidates, are examined.

Pharmaceutical Manufacturing Encyclopedia - Marshall Sittig 1988

Organized by generic pharmaceutical, describes the manufacturing process. Data includes the therapeutic function, chemical and common names, raw materials contained, the CAS registry, numbers, plus a world-wide list of trade names and manufacturers.

Martin's Physical Pharmacy and Pharmaceutical Sciences - Alfred N. Martin 2011

Martin's Physical Pharmacy and Pharmaceutical Sciences is considered the most comprehensive text available on the application of the physical, chemical and biological principles in the pharmaceutical sciences. It helps students, teachers, researchers, and industrial pharmaceutical scientists use elements of biology, physics, and chemistry in their work and study. Since the first edition was published in 1960, the text has been and continues to be a required text for the core courses of Pharmaceutics, Drug Delivery, and Physical Pharmacy. The Sixth Edition features expanded content on drug delivery, solid oral dosage forms, pharmaceutical polymers and pharmaceutical biotechnology, and updated sections to cover advances in nanotechnology.

Handbook of Polymers for Pharmaceutical Technologies, Structure and Chemistry - Vijay Kumar Thakur 2015-06-19

Polymers are one of the most fascinating materials of the present era finding their applications in almost every aspects of life. Polymers are either directly available in nature or are chemically synthesized and used depending upon the targeted applications.Advances in polymer science and the introduction of new polymers have resulted in the significant development of polymers with unique properties. Different kinds of polymers have been and will be one of the key in several applications in many of the advanced pharmaceutical research being carried out over the globe. This 4-partset of books contains precisely referenced chapters, emphasizing different kinds of polymers with basic fundamentals and practicality for application in diverse pharmaceutical technologies. The volumes aim at explaining basics of polymers based materials from different resources and their chemistry along with practical applications which present a future direction in the pharmaceutical industry. Each volume offer deep insight into the subject being treated. Volume 1: Structure and Chemistry Volume 2: Processing and Applications Volume 3: Biodegradable Polymers Volume 4: Bioactive and Compatible Synthetic/Hybrid Polymers

Nanoparticles in Life Sciences and Biomedicine - Ana Rute Neves 2018-02-13

The creation of new and more efficient therapies for improving human health greatly depends on drug delivery systems. Nanotechnology has emerged as a powerful strategy for the development of nanoparticles, such as nanoemulsions, liposomes, nanocrystals, and nanocomplexes, applied in the diagnosis, treatment, or theranostics of several pathologies and diseases. This

book reviews the most recent research and development in nanotechnology and, following a multidisciplinary approach, presents new strategies for drug delivery, including aspects from chemistry, physics, biology, and imaging methodologies and exploiting several administration routes, internalization pathways, site-specific delivery strategies, and the potential cytotoxicity of nanoparticles. Beginning with a description of the importance and application of nanotechnology for enhancing existing therapy, the book moves on to detailing oral, topical, pulmonary, brain, cancer, and anti-inflammatory drug delivery approaches; gene delivery approaches; theranostic approaches; and nanoparticle cytotoxicity. Practical and user friendly, it is suitable for advanced undergraduate, graduate, and postgraduate students of nanoscience and nanotechnology; researchers in nanoscience, nanotechnology, chemistry, biology, biochemistry, pharmaceutical sciences, medicine, and bioengineering, especially those with an interest in drug delivery or theranostics; and academia and university readership.

Drug Delivery Trends - Ranjita Shegokar 2020-03-01

Drug Delivery Trends examines a drift in the pharmaceutical field across the wide range of dosage forms, drug delivery systems (micro and nanoparticulate), at the regulatory front and on new types of therapies in the market. This volume additionally covers the challenges on drug delivery systems in terms of preclinical and current ways of determining quality and the options to solve the challenges associated with this. Most small-medium scale industries and academics struggle with initial regulatory challenges so a detailed discussion on regulatory trend covers the necessary basic understanding of regulatory procedures and provides the required guidance. The series Expectations and Realities of Multifunctional Drug Delivery Systems examines the fabrication, optimization, biological aspects, regulatory and clinical success of wide range of drug delivery carriers. This series reviews multifunctionality and applications of drug delivery systems, industrial trends, regulatory challenges and in vivo success stories. Throughout the volumes discussions on diverse aspects of drug delivery carriers, such as clinical, engineering, and regulatory, facilitate insight sharing across expertise area and form a link for collaborations between industry-academic scientists and clinical researchers. Expectations and Realities of Multifunctional Drug Delivery Systems connects formulation scientists, regulatory experts, engineers, clinical experts and regulatory stake holders. The wide scope of the book ensures it as a valuable reference resource for researchers in both academia and the pharmaceutical industry who want to learn more about drug delivery systems. Encompasses trends in drug delivery systems and selected dosage forms Illustrates regulatory, preclinical and quality principles Contains in-depth investigation of upcoming types of drug delivery systems

Pharmaceutical Amorphous Solid Dispersions - Ann Newman 2015-02-27

Providing a roadmap from early to late stages of drug development,this book overviews amorphous solid dispersion technology – aleading platform to deliver poorly water soluble drugs, a majorhurdle in today’s pharmaceutical industry. • Helps readers understand amorphous solid dispersionsand apply techniques to particular pharmaceutical systems • Covers physical and

chemical properties, screening,scale-up, formulation, drug product manufacture, intellectualproperty, and regulatory considerations • Has an appendix with structure and propertyinformation for polymers commonly used in drug development and withmarketed drugs developed using the amorphous sold dispersionapproach • Addresses global regulatory issues including USAregulations, ICH guidelines, and patent concerns around theworld

Solubility, Delivery and ADME Problems of Drugs and Drug Candidates - Karoly Karoly Tihanyi 2011-09-20

"This comprehensive ebook covers all the aspects of ADME/PK modeling including solubility, absorption, formulation, metabolic stability, drug-drug interaction potential and a special delivery tool of drug candidates. The book provides an integrated view of"

Fenaroli's Handbook of Flavor Ingredients - George A. Burdock 2019-07-17

First published in 1995: This edition of Fenaroli's Handbook of Flavor Ingredients brings together regulatory citations, FEMA numbers, Substance names and common synonyms, specifications (such as the GRAS classification by FEMA), natural sources, and permitted use levels in food into a convenient and easy-to-use reference set. The Handbook defines much of the arcane and specialized language of the flavorist, and helps update the reader on industry standards. It's a source of use levels of flavor ingredients in food approved by the FEMA expert panel. It's also a source outside of the Code of Federal Regulations (CFR) that provides both human and animal food regulatory citations for substances.

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.

Drugs in Use - Linda J. Dodds 2013

Drugs in Use is a popular textbook that addresses one of the key issues for pharmacy students – putting their learning into practice. The text presents a series of clinical case studies to illustrate how pharmacists can optimize drug therapy in response to the needs of individual patients.

Sterile Drug Products - Michael J. Akers 2016-04-19

Sterile Drug Products: Formulation, Packaging, Manufacturing, and Quality teaches the basic principles of the development and manufacture of high quality sterile dosage forms. The author has 38 years of experience in the development and manufacture of sterile dosage forms including solutions, suspensions, ophthalmics and freeze dried products. This book is based on the courses he has delivered for over three decades, to over 3000 participants, and is intended to remain relevant for the indefinite future even as new technologies and new applications of old technologies become common. This is an ideal reference book for those working directly and indirectly with sterile dosage forms, be it product development (formulation, package, process, analytical), manufacturing, quality control, quality assurance, regulatory, purchasing, or project management. This book is also intended as an educational resource for the pharmaceutical and biopharmaceutical industry and pharmacy schools, providing basic knowledge and principles in four main areas of parenteral science and technology: Product development, including

formulation, packaging, and process development. Manufacturing, including basic teaching on all the primary unit operations involved in preparation of sterile products and the underlying importance of contamination control. Quality and regulatory, including the application of good manufacturing practice regulations, aseptic processing guidelines, and unique quality control testing methods for the sterile dosage form Clinical aspects, including administration, potential hazards, and biopharmaceutics of sterile products in a clinical setting.