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Fused Pyrimidines
Computational Approaches for the Prediction of pKa Values
Propiophenones—Advances in Research and Application: 2012 Edition
Progress in Infrared Spectroscopy
Spectrophotometric Determination of Copper and Iron
Handbook of Acid-Base Indicators
Journal of Applied Chemistry of the USSR.
Studies on Oxidation-reduction
Miscellaneous Publication - National Bureau of Standards
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DYE - SURFACTANT AND HEAVY METAL IONS INTERACTIONS: A Spectrophotometric Study.
Handbook of Biochemistry and Molecular Biology, Fourth Edition
Interpretation of the Ultraviolet Spectra of Natural Products
Advances in Protein Chemistry
Spectrophotometric Determination of Thorium with the Trisodium Salt of 2-(2-hydroxy-3,6-disulfo-1-naphthylazo)-benzenearsonic Acid and Some Properties of Complexes Involved
Photoreactive Organic Thin Films
Handbook of Capillary Electrophoresis Applications
Bentley's Textbook of Pharmaceutics - E-Book
Studies on Oxidation-reduction

GALVAN LARSEN

The Determination of Ionization Constants CRC Press
Base-Catalyzed Reactions of Hydrocarbons and Related Compounds focuses on the use of bases as catalysts for the conversion of hydrocarbons and related compounds. In order to emphasize the broad scope of base-catalyzed reactions, examples dealing with the conversion of non-hydrocarbons are given. Comprised of 14 chapters, this book begins with a historical overview of base-catalyzed conversions of hydrocarbons, followed by a discussion on the isomerization of olefins, acetylenes, and allenes, as well as the dimerization and oligomerization of hydrocarbons. The reader is then introduced to a variety of reactions, including those between aromatic hydrocarbons and olefins and between alkylpyridines and alkenylpyridines; homogeneous carbon-carbon addition reactions; and reactions of aprotic solvents with olefins. Subsequent chapters explore carbon-carbon addition of olefins with miscellaneous compounds; addition of ammonia, amines, and anilines to olefinic hydrocarbons; hydrogenation and oxygenation; dehydrogenation, aromatization, and hydrogen transfer; and dehydration of alcohols. This monograph will be of interest to chemists.
Systematic Materials Analysis CRC Press
Demonstrating how and why to measure physicochemical and biomimetic properties in early stages of drug discovery for lead optimization, Physicochemical and Biomimetic Properties in Drug Discovery encourages readers to discover relationships between various measurements and develop a sense of interdisciplinary thinking that will add to new research in drug discovery. This practical guide includes detailed descriptions of state-of-the-art chromatographic techniques and uses real-life examples and models to help medicinal chemists and scientists and advanced graduate students apply measurement data for optimal drug discovery.
Publications - United States. National Bureau of Standards Elsevier
While acid-base indicators continue to find new applications in an ever-widening range of scientific disciplines, there is no current book that focuses entirely on the subject, nor one that brings together the relevant advances that have evolved over the last three decades. The Handbook of Acid-Base Indicators compiles the most up-to-date, comprehensive information on over 200 water-based and solvent-based indicators into a single source. Organized alphabetically, entries include: common name, other names, CA index name, CAS registry number, Merck index number, chemical structure, chemical/dye class, molecular formula, molecular weight, pH range, color change at pH, pKa, physical form, solubility, UV-visible (Lambda-max), melting point, and boiling point. This resource also offers unique coverage including protocols for synthesizing indicator compounds; data relating to adverse effects, toxicity, and safety; and major applications for each indicator. The Handbook of Acid-Base Indicators contains practical information for widespread applications that include semiconductors, displays, nanotechnology, OLEDs, fuel cells, sensors, security, surface coatings, adhesives, insecticides, agricultural chemicals, textiles, packaging, cosmetics, personal care products, pharmaceuticals, and the detection and treatment of disease.
Supplement ... to the Public Health Reports Elsevier
The dissociation constants of the conjugate acids of aniline, alpha-naphthylamine and beta-naphthylamine have been determined from their ultraviolet absorption spectra in 50% by weight ethanol-water solution. The values obtained have been compared with potentiometric measurements.

Spectrophotometric Reactions Spectrophotometric Determination of the PKa's of Some Aromatic AminesThe dissociation constants of the conjugate acids of aniline, alpha-naphthylamine and beta-naphthylamine have been determined from their ultraviolet absorption spectra in 50% by weight ethanol-water solution. The values obtained have been compared with potentiometric measurements.Journal of Research of the National Bureau of StandardsSpectrophotometric Determination of Thorium with the Trisodium Salt of 2-(2-hydroxy-3,6-disulfo-1-naphthylazo)-benzenearsonic Acid and Some Properties of Complexes InvolvedThe Determination of Ionization Constants

Propiophenones—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Propiophenones. The editors have built Propiophenones—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Propiophenones in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Propiophenones—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

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The Chemistry of Heterocyclic Compounds, since its inception, has been recognized as a cornerstone of heterocyclic chemistry. Each volume attempts to discuss all aspects – properties, synthesis, reactions, physiological and industrial significance – of a specific ring system. To keep the series up-to-date, supplementary volumes covering the recent literature on each individual ring system have been published. Many ring systems (such as pyridines and oxazoles) are treated in distinct books, each consisting of separate volumes or parts dealing with different individual topics. With all authors are recognized authorities, the Chemistry of Heterocyclic Chemistry is considered worldwide as the indispensable resource for organic, bioorganic, and medicinal chemists.

Lactam-based Polyamides Elsevier

Systematic Materials Analysis, Volume II presents a broad range of instrumental methods and approaches that will yield the desired information about a given material. This book serves as a guide for the purchase of new instrumentation. Organized into nine chapters, this volume starts with an overview of the analytical methods on the bases of specimen limitations and information desired by using flow charts encompassing the various instruments. This book then proceeds with a discussion of the specific instruments that outline the theories of operation. Other chapters consider the capability of the methods for quantitative and qualitative measurements of structure, texture, and chemical composition. This text discusses as well the selectivity and sensitivity of each method. The final chapter deals with X-ray photoelectron spectroscopy and provides a listing of known manufacturers of commercial ESCA (Electron Spectroscopy for Chemical Analysis) instrumentation. Materials analysts, laboratory administrator, biological scientists, engineers, and researchers will find this book extremely useful.

Base-Catalyzed Reactions of Hydrocarbons and Related Compounds John Wiley & Sons

This two-volume work examines general relationships among the structures, reactivity, and properties of polyamides important for predictions in such fields as materials science. The team of authors, including polymer research chemists, physicists, and specialists in technology and processing, compiled an extensive amount of literature (over 2300 references) to produce two volumes packed with text, tables, drawings, and first-hand information, much of it never before published. Topics include lactams and their production, properties, analysis, theory, and the technology of their polymerization, in addition to polyamides and their processing, modification, analysis, molecular characterization, structure, physical properties, degradation and stabilization, designing and application of products. Researchers and specialists in the preparation, modification, processing, structure, and properties of linear aliphatic polyamides will find Lactam-Based Polyamides, Volumes I and II to be invaluable texts.

Supplementary List of Publications of the National Bureau of Standards CRC Press

Whilst following in the footsteps of previous volumes by presenting comprehensive reviews of drug substances and additional materials, this title also heralds a significant expansion of the scope of the series. Traditional contributions will now also be augmented by publication of critical review chapters that summarize information related to the characterization of drug substances and excipients. This change is required to better meet the needs of the pharmaceutical communtiy and to allow the development of a timely vehicle for publishing review materials on this topic. The scope of the Profiles series will encompass review articles and database compilations that fall within one of the following six broad categories: Physical profiles of drug substances and excipients; Analytical profiles of drug substances and excipients; Drug metabolism and pharmacokinetic profiles of drug substances and excipients; Methodology related to the characterization of drug substances and excipients; Methods of chemical synthesis; and Reviews of the uses and applications for individual drug substances, classes of drug substances, or excipients. * Presents comprehensive reviews covering all aspects of drug development and formulation of drugs * Now encompassing critical review chapters * Meets the information needs of the drug development community

Lactam-based Polyamides, Volume I Elsevier Health Sciences

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.

Ultraviolet-Visible Spectrophotometry in Pharmaceutical Analysis Walter de Gruyter GmbH & Co KG

The book covers specific and selective reagents for the determination of iron and copper by spectrophotometry. It provides methods for each group or class of reagents, including conditions, wavelength and interferences of other ions in samples. It is a unique guide for researchers in analytical chemistry from pharmaceutical to environmental monitoring laboratories working on iron and copper based products.

Lipophilicity in Drug Action and Toxicology Elsevier

In keeping with the outstanding importance of lipophilicity in biosciences, this volume examines all its facets in more than twenty contributions from leading experts. It offers a thorough and highly topical survey of this rapidly developing field of research. Color plates demonstrating structural aspects, a vast number of references, and the straightforward presentation of the material make this volume a invaluable tool for all researchers involved in drug design or in the investigation of drug action.

Publications, July 1960 Through June 1966 Elsevier

Advances in Protein Chemistry

Journal of Research of the National Bureau of Standards CRC Press

This practical manual is devised for organic chemists and biochemists who, in the course of their researches and without previous experience, need to determine an ionization constant. We are gratified that earlier editions were much used for this purpose and that they also proved adequate for the in service training of technicians and technical officers to provide a Department with a pK service. The features of previous editions that gave this wide appeal have been retained, but the subject matter has been revised, extended, and brought up to date. We present two new chapters, one of which describes the determination of the stability constants of the complexes which organic ligands form with metal cations. The other describes the use of more recently introduced techniques for the determination of ionization constants, such as Raman and nuclear magnetic resonance spectroscopy, thermometric titrations, and paper electro phoresis. Chapter 1 gives enhanced help in choosing between alternative methods for determining ionization constants. The two chapters on potentiometric methods have been extensively revised in the light of newer understanding of electrode processes and of the present state of the art in instrumen tation.

Flow Injection Analysis of Food Additives Springer

Over the last decade, high performance Capillary electrophoresis (HPCE) has emerged as a powerful and versatile separation technique that promises to rival high performance liquid chromatography when applied to the separation of both charged and neutral species. The high speed and high separation efficiency which can be attained using any of the various modes of HPCE has resulted in the increased use of the technique in a range of analytical environments. The procedures are, however, still in the early stages of development and several barriers remain to their adoption as the technique of choice for a range of analytical problems. One such barrier is the selection and optimization of the conditions required to achieve reproducible separations of analytes and it is in this area that this new book seeks to give assistance. The book is written by an international team of authors, drawn from both academic and industrial users, and the manufacturers of instruments. At its heart are a number of tables, divided into specific application areas. These give details of published separations of a wide range of archetypal analytes, the successful separation conditions and the matrix in which they were presented. These tables are based on separations reported since 1992 and are fully referenced to the original literature. The tables are supported by discussions of the problems that a particular area presents and the strategies and solutions adopted to overcome them. The general areas covered are biochemistry, pharmaceutical science, bioscience, ion analysis, food analysis and environmental science.

Acids and Bases CRC Press

Wolfgang Knoll is a former Directory of Polymer research at the Max Planck Institute. He is extremely well know for his research in this area. Zouheir Sekkat was a Postdoctoral researcher at Max Planck working under Professor Knoll. With Knoll's involvement, we can be confident that the best people in this field will be contributing to the reference.

Physicochemical and Biomimetic Properties in Drug Discovery Oxford University Press, USA

Interpretation of the Ultraviolet Spectra of Natural Products focuses on the ultraviolet spectrum of chromophores. The book first discusses single chromophores, including absorption due to electron lone pairs in saturated systems and absorption of olefins, alkynes, carbonyl compounds, and thiocarbonyl compounds. The text also takes a look at conjugated chromosomes, such as polyenes, enynes, and conjugated azomethines. The selection also evaluates C-aromatic compounds. Topics include benzenoid and hydrocarbons; phenols and their ethers; styrenes and stilbenes; aromatic carbonyl compounds; and nitro compounds. The text also discusses O- and S- heteroaromatic compounds and N-heteroaromatic compounds. The book highlights the applications of spectrophotometry to the analysis of natural products. Topics include formation of derivatives having absorbing chromophores; reactions leading to changes in absorption of added reagents; and analyses involving transformation to products suitable for spectrophotometry. The text is a good reference for readers wanting to explore chromophores.

CRC Press

This two-volume work examines general relationships among the structures, reactivity, and properties of polyamides important for predictions in such fields as materials science. The team of authors, including polymer research chemists, physicists, and specialists in technology and processing, compiled an extensive amount of literature (over 2300 references) to produce two volumes packed with text, tables, drawings, and first-hand information, much of it never before published. Topics include lactams and their production, properties, analysis, theory, and the technology of their polymerization, in addition to polyamides and their processing, modification, analysis, molecular characterization, structure, physical properties, degradation and stabilization, designing and application of products. Researchers and specialists in the preparation, modification, processing, structure, and properties of linear aliphatic polyamides will find Lactam-Based Polyamides, Volumes I and II to be invaluable texts.

Spectrophotometric Determination of the PKa's of Some Aromatic Amines John Wiley & Sons

Spectrophotometric Determination of the PKa's of Some Aromatic Amines

Profiles of Drug Substances, Excipients and Related Methodology ScholarlyEditions

Presenting a novel view of spectrophotomagnetic analysis, this book provides a detailed classification of reactions used for the spectrophotometric determination of both inorganic and organic compounds based on the chemical properties of analytes, reagents, and reaction products. It considers the practical use of spectrophotomagnetic analysis in various disciplines such as pharmacology and environmental science, and suggests specific approaches for the spectrophotomagnetic determination of particular analytes.