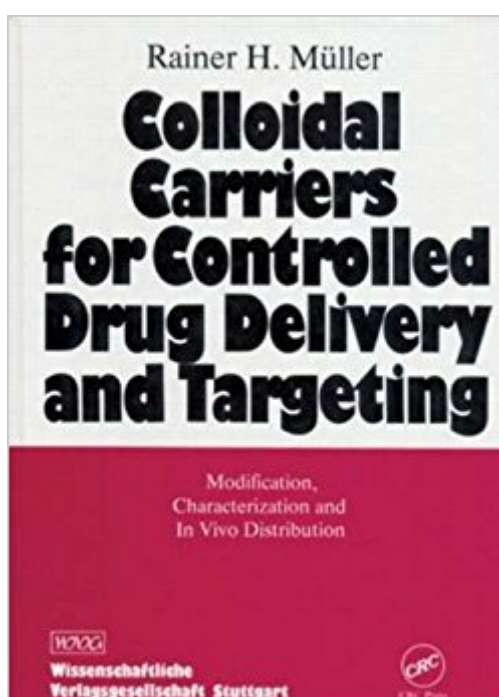


The book was found

Colloidal Carriers For Controlled Drug Delivery And Targeting: Modification, Characterization, And In Vivo Distribution



Synopsis

Colloidal carriers (particles, emulsions) for intravenous administration are a promising approach to achieve controlled release and site-specific delivery of drugs. The success of the systems will depend on their ability to maintain in blood circulation (controlled release system) or to reach target cells (e.g., bone marrow, blood cells). It is well known that the surface properties of i.v. injected particles are important factors determining the organ distribution and fate in vivo. Controlled surface modification could therefore be used to direct the carriers to the desired tissues. This book deals with the physico-chemical characterization of colloidal drug delivery systems and the influence of these parameters upon in vitro cell uptake and in vivo tissue distribution. Within the book, several different methods and their effect on surface characterization are discussed, and the in vivo tissue distribution of nanoparticles different in size and surface properties (coatings with Poloxamer/Polaximine/ethoxylated nonylphenols) and the carrier properties are examined in detail. The book does not deal with single aspects, but offers a comprehensive treatment of the subject. As a result, the book contributes to a better understanding of the factors influencing the organ distribution of i.v. drug carriers and provides useful information for the rational design of new carriers. It succeeds in clearing the way for future developments and the optimization of carriers for controlled drug delivery.

Book Information

Hardcover: 379 pages

Publisher: CRC Press; 1 edition (April 15, 1991)

Language: English

ISBN-10: 0849377145

ISBN-13: 978-0849377143

Package Dimensions: 15.3 x 7.9 x 4.4 inches

Shipping Weight: 1.8 pounds

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #3,992,653 in Books (See Top 100 in Books) #27 in [Books > Medical Books > Pharmacology > Drug Delivery Systems](#) #1100 in [Books > Science & Math > Chemistry > Physical & Theoretical > Physical Chemistry](#) #2223 in [Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Pharmacy](#)

Customer Reviews

This particular text covers the development and characterization of colloidal systems for drug

delivery. Research on colloidal delivery systems is getting very popular for small molecular drugs as well as biologically active macromolecules. Additionally they are of increasing interest for the controlled delivery of bioactive agents. There are several chapters on the development and characterization of colloidal systems with indepth discussion on the surface properties of colloidal systems. This text is a valuable source of information for anyone doing research in particulate drug delivery.

[Download to continue reading...](#)

Colloidal Carriers for Controlled Drug Delivery and Targeting: Modification, Characterization, and In Vivo Distribution Drug Delivery and Targeting: For Pharmacists and Pharmaceutical Scientists Synthetic Surfactant Vesicles: Niosomes and Other Non-Phospholipid Vesicular Systems (Drug Targeting and Delivery) Erythrocyte Engineering for Drug Delivery and Targeting (Biotechnology Intelligence Unit) Controlled Drug Delivery: Fundamentals and Applications, Second Edition (Drugs and the Pharmaceutical Sciences) Controlled Drug Delivery: Challenges and Strategies (ACS Professional Reference Book) Polymers for Controlled Drug Delivery Treatise on Controlled Drug Delivery: Fundamentals-optimization-applications Encyclopedia of Controlled Drug Delivery, 2 Volume Set The World Encyclopedia of Aircraft Carriers and Naval Aircraft: An Illustrated History Of Aircraft Carriers And The Naval Aircraft That Launch From ... Wartime And Modern Identification Photographs The Soviet/ Russian Aircraft Carriers: The Aircraft Carriers of the World Volume 4 2018 Rand McNally Deluxe Motor Carriers' Road Atlas (Rand McNally Motor Carriers' Road Atlas Deluxe Edition) Electrochemotherapy, Electrogenetherapy, and Transdermal Drug Delivery: Electrically Mediated Delivery of Molecules to Cells (Methods in Molecular Medicine) Drug Delivery: Principles and Applications (Wiley Series in Drug Discovery and Development) Drug Targeting Technology: Physical Chemical Biological Methods (Drugs and the Pharmaceutical Sciences) Tumor Targeting in Cancer Therapy (Cancer Drug Discovery and Development) Liposomes as Drug Carriers: Recent Trends and Progress s Delivery Locations: Delivery Locations Including One Hour Shipment Information Detail Colloidal Silver: The Natural Antibiotic How to Make Colloidal Silver

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)