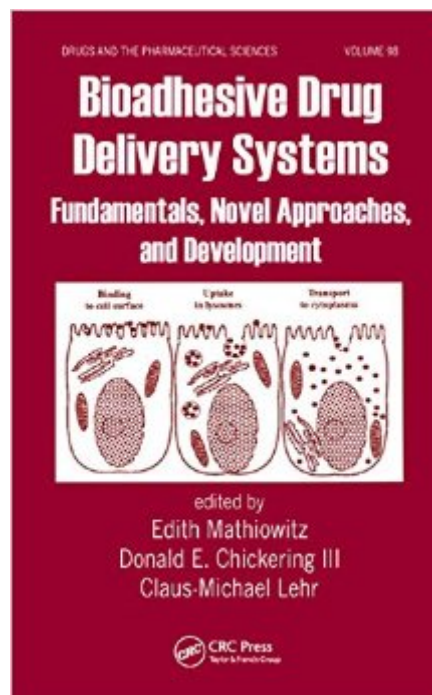


The book was found

Bioadhesive Drug Delivery Systems: Fundamentals, Novel Approaches, And Development (Drugs And The Pharmaceutical Sciences)



Synopsis

This invaluable reference presents a comprehensive review of the basic methods for characterizing bioadhesive materials and improving vehicle targeting and uptake-offering possibilities for reformulating existing compounds to create new pharmaceuticals at lower development costs. Evaluates the unique carrier characteristics of bioadhesive polymers and their power to enhance localization of delivered agents, local bioavailability, and drug absorption and transport! Written by over 50 international experts and reflecting broad knowledge of both traditional bioadhesive strategies and novel clinical applications, *Bioadhesive Drug Delivery Systems* discusses mechanical and chemical bonding, polymer-mucus interactions, the effect of surface energy in bioadhesion, polymer hydration, and mucus rheology analyzes biochemical properties of mucus and glycoproteins, cell adhesion molecules, and cellular interaction with two- and three-dimensional surfaces covers microbalances and magnetic force transducers, atomic force microscopy, direct measurements of molecular level adhesions, and methods to measure cell-cell interactions examines bioadhesive carriers, diffusion or penetration enhancers, and lectin-targeted vehicles describes vaginal, nasal, buccal, ocular, and transdermal drug delivery reviews bioadhesive interactions with the mucosal tissues of the eye and mouth, and those in the respiratory, urinary, and gastrointestinal tracts explores issues of product development, clinical testing, and production and more! Amply referenced with over 1400 bibliographic citations, and illustrated with more than 300 drawings, photographs, tables, and display equations, *Bioadhesive Drug Delivery Systems* serves as a sound basis for innovation in bioadhesive systems and an excellent introduction to the subject. This unique reference is ideal for pharmaceutical scientists and technologists; chemical, polymer, and plastics engineers; biochemists; physical, surface, and colloid chemists; biologists; and upper-level undergraduate and graduate students in these disciplines.

Book Information

Series: Drugs and the Pharmaceutical Sciences (Book 98)

Hardcover: 696 pages

Publisher: CRC Press; 1 edition (July 13, 1999)

Language: English

ISBN-10: 0824719956

ISBN-13: 978-0824719951

Product Dimensions: 1.2 x 6.5 x 9.2 inches

Shipping Weight: 2.7 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #5,219,142 in Books (See Top 100 in Books) #57 in Books > Medical Books > Pharmacology > Drug Delivery Systems #208 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Chemotherapy #2942 in Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Pharmacy

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

Bioadhesive Drug Delivery Systems: Fundamentals, Novel Approaches, and Development (Drugs and the Pharmaceutical Sciences) Novel Drug Delivery Systems (Drugs and the Pharmaceutical Sciences, Volume 50) Controlled Drug Delivery: Fundamentals and Applications, Second Edition (Drugs and the Pharmaceutical Sciences) Transdermal Drug Delivery Systems: Revised and Expanded (Drugs and the Pharmaceutical Sciences) Specialized Drug Delivery Systems (Drugs and the Pharmaceutical Sciences) Bioadhesive Drug Delivery Systems Prodrugs: Topical and Ocular Drug Delivery (Drugs and the Pharmaceutical Sciences) Nasal Systematic Drug Delivery (Drugs and the Pharmaceutical Sciences) Modified-Release Drug Delivery Technology (Drugs and the Pharmaceutical Sciences) Topical Drug Delivery Formulations (Drugs and the Pharmaceutical Sciences) The Clinical Audit in Pharmaceutical Development (Drugs and the Pharmaceutical Sciences) Microparticulate Systems for the Delivery of Proteins and Vaccines (Drugs and the Pharmaceutical Sciences) Transport Processes in Pharmaceutical Systems (Drugs and the Pharmaceutical Sciences) Percutaneous Absorption:

Drugs--Cosmetics--Mechanisms--Methodology: Drugs--Cosmetics--Mechanisms--Methodology, Third Edition, (Drugs and the Pharmaceutical Sciences) Protein Formulation and Delivery (Drugs and the Pharmaceutical Sciences) Pharmaceutical Particulate Carriers: Therapeutic Applications (Drugs and the Pharmaceutical Sciences) Pharmaceutical Pelletization Technology (Drugs and the Pharmaceutical Sciences) Pharmaceutical Dissolution Testing (Drugs and the Pharmaceutical Sciences) Pharmaceutical Process Engineering (Drugs and the Pharmaceutical Sciences) Pharmaceutical Dosage Forms & Drug Delivery Systems

[Dmca](#)