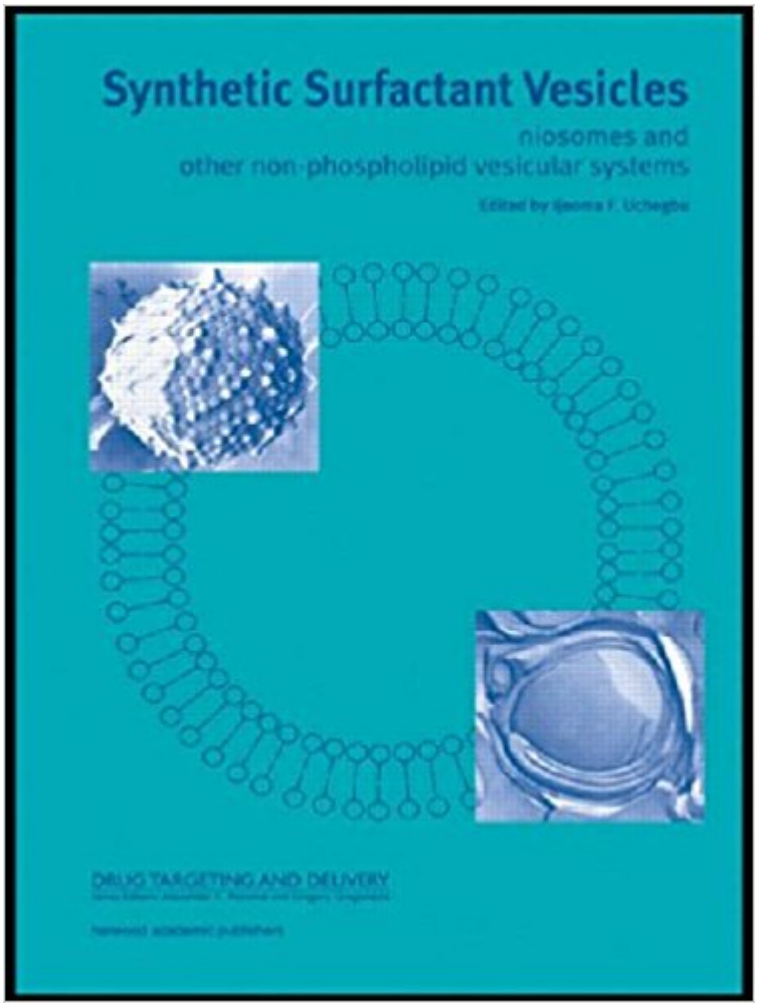
Synthetic Surfactant Vesicles: Niosomes And Other Non-Phospholipid Vesicular Systems (Drug Targeting And Delivery)



Synopsis

The self-assembly of synthetic surfactants and other non-phospholipids into vesicles was first studied in the 1970s by cosmetic scientists when non-ionic surfactant vesicles or niosomes were reported. Since this time a large body of research has sought to define these systems primarily as drug carriers and also as features of interest to the colloid scientist. Synthetic surfactant vesicles, as the name implies, may also be fabricated from a vast array of amphiphiles, including a number of pharmaceutically acceptable materials. They may also be prepared in a variety of shapes and sizes and have a number of applications. This book is designed to serve as an introductory text to the science of non-phospholipid vesicles and will be of use to colloid, drug delivery, cosmetic, and materials scientists. It aims to acquaint the reader with the physicochemistry and biomedical applications of these synthetic surfactant non-phospholipid vesicles. Part one introduces the reader to physicochemical aspects of these synthetic surfactant dispersions and explores the diversity of materials that may be used to formulate vesicles. Part two details methods of vesicle preparation and the application of synthetic surfactant vesicles in a variety of fields ranging from anti-cancer chemotherapy to immunization.

Book Information

Series: Drug Targeting and Delivery (Book 11)
Hardcover: 260 pages
Publisher: CRC Press; 1 edition (February 1, 2000)
Language: English
ISBN-10: 9058230112
ISBN-13: 978-9058230119
Product Dimensions: 6.7 x 0.8 x 10.2 inches
Shipping Weight: 1.7 pounds (View shipping rates and policies)
Average Customer Review: Be the first to review this item
Best Sellers Rank: #8,784,309 in Books (See Top 100 in Books) #93 inÂ Books > Medical Books > Pharmacology > Drug Delivery Systems #572 inÂ Books > Medical Books > Pharmacology > Chemistry #2168 inÂ Books > Medical Books > Medicine > Internal Medicine > Pathology > Laboratory Medicine

Synthetic Surfactant Vesicles: Niosomes and Other Non-Phospholipid Vesicular Systems (Drug Targeting and Delivery) Drug Delivery and Targeting: For Pharmacists and Pharmaceutical

Scientists Colloidal Carriers for Controlled Drug Delivery and Targeting: Modification, Characterization, and In Vivo Distribution Erythrocyte Engineering for Drug Delivery and Targeting (Biotechnology Intelligence Unit) 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) Nano- and Microscale Drug Delivery Systems: Design and Fabrication Transdermal Drug Delivery Systems: Revised and Expanded (Drugs and the Pharmaceutical Sciences) Bioadhesive Drug Delivery Systems: Fundamentals, Novel Approaches, and Development (Drugs and the Pharmaceutical Sciences) Ansel’s Pharmaceutical Dosage Forms and Drug Delivery Systems Polymeric Drugs and Drug Delivery Systems (ACS Symposium Series) Biodegradable Polymers as Drug Delivery Systems (Drugs and the Pharmaceutical Sciences) Novel Drug Delivery Systems, Second Edition, (Drugs and the Pharmaceutical Sciences) Novel drug delivery systems: Fundamentals, developmental concepts, biomedical assessments (Drugs and the pharmaceutical sciences) Pharmaceutical Dosage Forms & Drug Delivery Systems Liposome Drug Delivery Systems Bioadhesive Drug Delivery Systems Advances in Drug Delivery Systems