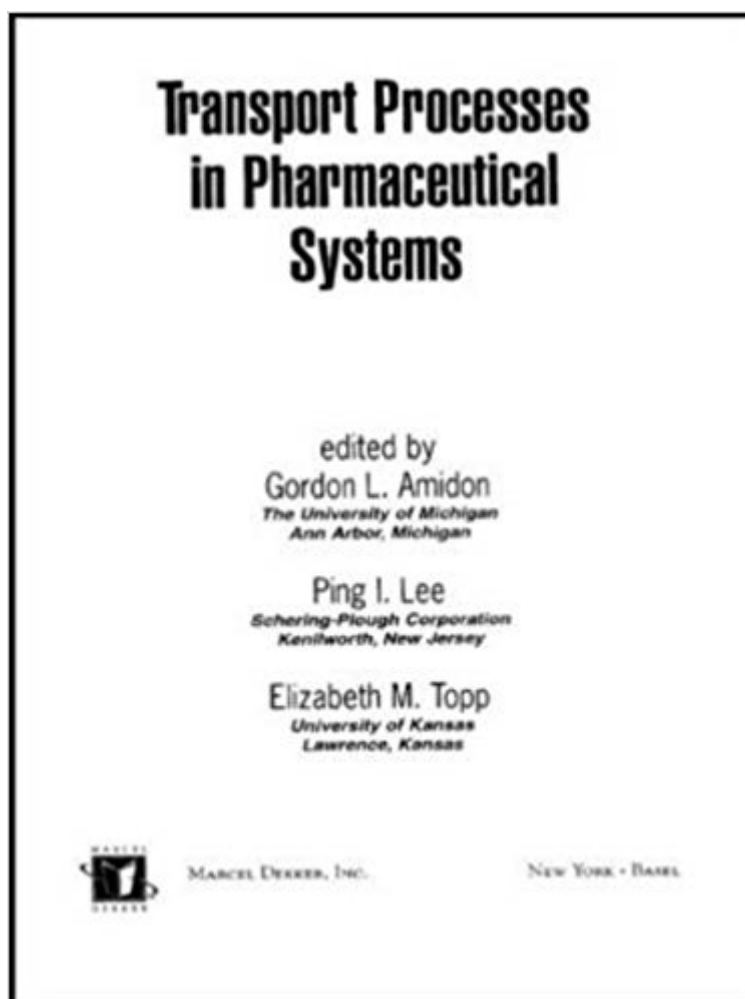


The book was found

# Transport Processes In Pharmaceutical Systems (Drugs And The Pharmaceutical Sciences)



## Synopsis

This cutting-edge reference clearly explains pharmaceutical transport phenomena, demonstrating applications ranging from drug or nutrient uptake into vesicle or cell suspensions, drug dissolution and absorption across biological membranes, whole body kinetics, and drug release from polymer reservoirs and matrices to heat and mass transport in freeze-drying and hygroscopicity. Focuses on practical applications of drug delivery from a physical and mechanistic perspective, highlighting biological systems. Written by more than 30 international authorities in the field, *Transport Processes in Pharmaceutical Systems* discusses the crucial relationship between the transport process and thermodynamic factors, analyzes the dynamics of diffusion at liquid-liquid, liquid-solid, and liquid-cultured cell interfaces, covers prodrug design for improving membrane transport, addresses the effects of external stimuli in altering some natural and synthetic polymer matrices, examines properties of hydrogels, including synthesis, swelling degree, swelling kinetics, permeability, biocompatibility, and biodegradability, presents mass transfer of drugs and pharmacokinetics based on mass balance descriptions, and more! Containing over 1000 references and more than 1100 equations, drawings, photographs, micrographs, and tables, *Transport Processes in Pharmaceutical Systems* is a must-read resource for research pharmacists, pharmaceutical scientists and chemists, chemical engineers, physical chemists, and upper-level undergraduate and graduate students in these disciplines.

## Book Information

Series: Drugs and the Pharmaceutical Sciences (Book 102)

Hardcover: 748 pages

Publisher: CRC Press; 1 edition (November 24, 1999)

Language: English

ISBN-10: 0824766105

ISBN-13: 978-0824766108

Product Dimensions: 1.5 x 6.5 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,252,043 in Books (See Top 100 in Books) #30 in [Books > Medical Books > Pharmacology > Drug Delivery Systems](#) #1308 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Biochemistry](#) #2037 in [Books > Science & Math > Chemistry > Industrial & Technical](#)

## Customer Reviews

This cutting-edge reference clearly explains pharmaceutical transport phenomena, demonstrating applications ranging from drug or nutrient uptake into vesicle or cell suspensions, drug dissolution and absorption across biological membranes, whole body kinetics, and drug release from polymer reservoirs and matrices to heat and mass transport in freeze-drying and hygroscopicity. Focuses on practical applications of drug delivery from a physical and mechanistic perspective, highlighting biological systems. Written by more than 30 international authorities in the field, *Transport Processes in Pharmaceutical Systems* discusses the crucial relationship between the transport process and thermodynamic factors analyzes the dynamics of diffusion at liquid-liquid, liquid-solid, and liquid-cultured cell interfaces covers prodrug design for improving membrane transport addresses the effects of external stimuli in altering some natural and synthetic polymer matrices examines properties of hydrogels, including synthesis, swelling degree, swelling kinetics, permeability, biocompatibility, and biodegradability presents mass transfer of drugs and pharmacokinetics based on mass balance descriptions and more! Containing over 1000 references and more than 1100 equations, drawings, photographs, micrographs, and tables, *Transport Processes in Pharmaceutical Systems* is a must-read resource for research pharmacists, pharmaceutical scientists and chemists, chemical engineers, physical chemists, and upper-level undergraduate and graduate students in these disciplines.

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

*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) Automation and Validation of Information in Pharmaceutical Processing (Drugs and the*

*Pharmaceutical Sciences) Pharmaceutical Skin Penetration Enhancement (Drugs and the*

*Pharmaceutical Sciences) Pharmaceutical Particulate Carriers: Therapeutic Applications (Drugs and*

*the Pharmaceutical Sciences) The Clinical Audit in Pharmaceutical Development (Drugs and the*

*Pharmaceutical Sciences) Polymorphism in Pharmaceutical Solids (Drugs and the Pharmaceutical*

*Sciences) Pharmaceutical Process Validation, Second Edition (Drugs and the Pharmaceutical*

*Sciences) Microencapsulation and Related Drug Processes (Drugs and the Pharmaceutical*

*Sciences) Introduction to the Pharmaceutical Sciences: An Integrated Approach (Pandit,*

*Introduction to the Pharmaceutical Sciences) Transdermal Drug Delivery Systems: Revised and*

*Expanded (Drugs and the Pharmaceutical Sciences) Microparticulate Systems for the Delivery of*

Proteins and Vaccines (Drugs and the Pharmaceutical Sciences) Bioadhesive Drug Delivery Systems: Fundamentals, Novel Approaches, and Development (Drugs and the Pharmaceutical Sciences) 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) Advanced Transport Phenomena: Fluid Mechanics and Convective Transport Processes (Cambridge Series in Chemical Engineering) Clinical Drug Trials and Tribulations, Revised and Expanded, Second Edition (Drugs and the Pharmaceutical Sciences) Controlled Drug Delivery: Fundamentals and Applications, Second Edition (Drugs and the Pharmaceutical Sciences) Drug Permeation Enhancement: Theory and Applications (Drugs and the Pharmaceutical Sciences)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)