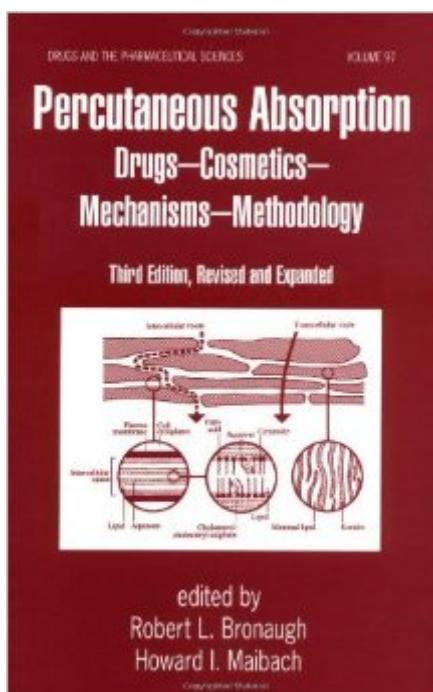


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Percutaneous Absorption: Drugs--Cosmetics--Mechanisms--Methodology: Drugs--Cosmetics--Mechanisms--Methodology, Third Edition, (Drugs And The Pharmaceutical Sciences)



Synopsis

Since publication of the Second Edition in 1989, numerous innovations have occurred that affect the way scientists look at issues in the field of percutaneous absorption. Focusing on recent advances as well as updating and expanding the scope of topics covered in the previous edition, *Percutaneous Absorption, Third Edition* provides thorough coverage of the skin's role as an important portal of entry for chemicals into the body. Assembles the work of nearly 80 experts-30 more than the Second Edition-into a unified, comprehensive volume that contains the latest ideas and research! Complete with nearly 600 drawings, photographs, equations, and tables and more than 1600 bibliographic citations of pertinent literature, *Percutaneous Absorption, Third Edition* detailsthe applied biology of percutaneous penetration factors that affect skin permeation, such as age, vehicles, metabolism, hydration of skin, and chemical structure *in vivo* and *in vitro* techniques for measuring absorption, examining factors influencing methodology such as animal models, volatility of test compound, multiple dosage, and artificial membranes procedures for use in transdermal delivery, exploring topics such as effects of penetration enhancers on absorption, optimizing absorption, and the topical delivery of drugs to muscle tissue And presents new chapters onmathematical models cutaneous metabolism prediction of percutaneous absorption *in vitro* absorption methodology dermal decontamination concentration of chemicals in skin transdermal drug delivery mechanisms of absorption safety evaluation of cosmetics absorption of drugs and cosmetic ingredients nail penetration Emphasizes human applications-particularly useful for pharmacists, pharmacologists, dermatologists, cosmetic scientists, biochemists, toxicologists, public health officials, manufacturers of cosmetic and toiletry products, and graduate students in these disciplines! An invaluable reference source for readers who need to keep up with the latest developments in the field, *Percutaneous Absorption, Third Edition* is also an excellent experimental guide for laboratory personnel.

Book Information

Series: Drugs and the Pharmaceutical Sciences (Book 155)

Hardcover: 986 pages

Publisher: CRC Press; 3 edition (May 28, 1999)

Language: English

ISBN-10: 0824719662

ISBN-13: 978-0824719661

Product Dimensions: 9.1 x 6.2 x 2.1 inches

Shipping Weight: 3 pounds

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Best Sellers Rank: #5,010,962 in Books (See Top 100 in Books) #54 in Books > Medical Books > Pharmacology > Drug Delivery Systems #1340 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Dermatology #2259 in Books > Medical Books > Medicine > Internal Medicine > Dermatology

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