

1. Record Nr.	UNINA9910813997903321
Titolo	Basic pharmacokinetics and pharmacodynamics : an integrated textbook and computer simulations // edited by Sara E. Rosenbaum
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Incorporated, , [2017] 2017
ISBN	9781119143185 1119143187
Edizione	[Second edition.]
Descrizione fisica	1 online resource (757 pages) : illustrations
Disciplina	615/.7
Soggetti	Computer simulation Pharmacokinetics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to pharmacokinetics and pharmacodynamics -- Passage of drugs through membranes -- Drug administration and drug absorption / Steven Sutton -- Drug distribution -- Drug elimination and clearance -- Compartmental models in pharmacokinetics -- Pharmacokinetics of an intravenous bolus injection in a one-compartment model -- Pharmacokinetics of an intravenous bolus injection in a two-compartment model -- Pharmacokinetics of extravascular drug administration / Steven Sutton -- Introduction to noncompartmental analysis -- Pharmacokinetics of intravenous infusion in a one-compartment model -- Multiple intravenous bolus injections in the one-compartment model -- Multiple intermittent infusions -- Multiple oral doses -- Nonlinear pharmacokinetics -- Introduction to pharmacogenetics -- Models used to predict drug-drug interactions for orally administered drugs -- Introduction to physiologically based pharmacokinetic modeling -- Introduction to pharmacodynamic models and integrated pharmacokinetic--pharmacodynamic models / Diane Mould and Paul Hutson -- Semi-mechanistic pharmacokinetic--pharmacodynamic model / Diane Mould and Paul Hutson.

