1. Record Nr. UNINA9910830861703321

Titolo	Drug transporters : molecular characterization and role in drug disposition / / edited by Guofeng You, Marilyn E. Morris
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , 2014 ©2014
ISBN	1-118-70530-0 1-118-70504-1 1-118-70498-3
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (2143 p.)
Collana	Wiley Series in Drug Discovery and Development
Disciplina	571.64
Soggetti	Carrier proteins Drugs - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Overview of drug transporter families -- Organic Cation and Zwitterion transporters OCT, OCTN -- Organic anion transporters OAT -- Organic anion transporting polypeptides OATP -- Mammalian peptide transporters PEPT -- The monocarboxylate transporters MCT -- The nucleoside transporters CNT, ENT -- Bile acid transporters -- Multidrug resistance protein P-glycoprotein -- Multidrug resistance-associated proteins MRP -- Breast cancer resistance protein BCRP -- Multidrug and toxin extrusion proteins MATE -- Drug transport in the liver -- Drug transport in the brain -- Drug transport in the kidney -- Drug transport in the intestine -- Drug transport in the placenta -- Experimental approaches to studying drug transport -- Transporters in drug discovery in silico approaches -- Polymorphisms of drug transporters and clinical relevance -- Diet/nutrient interactions with drug transporters -- Clinical relevance drug-drug interactions, pharmacokinetics, pharmacodynamics and toxicity -- Regulatory science perspectives on transporter studies in drug development.
Sommario/riassunto	This new edition overviews drug transporters and presents the principles of drug transport and associated techniques, featuring new

chapters on multidrug and toxin extrusion proteins, placental transport, in silico approaches in drug discovery, and regulatory guidance for drug transport studies in drug development. Describes drug transporter families, mechanisms, and clinical implications along with experimental methods for studying and characterizing drug transporters Includes new chapters on multidrug and toxin extrusion proteins, placental transport and in silico approach