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Titolo	Nuclear receptors in drug metabolism [[electronic resource] /] / edited by Wen Xie
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley & Sons, c2009
ISBN	1-281-93868-8 9786611938680 0-470-40910-X 0-470-40905-3
Descrizione fisica	1 online resource (362 p.)
Altri autori (Persone)	XieWen <1967->
Disciplina	615.19 615/.7
Soggetti	Drugs - Metabolism Nuclear receptors (Biochemistry) Genetic regulation Electronic books.
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 and index.
Nota di contenuto	Drug metabolism : significance and challenges -- Establishing orphan nuclear receptors PXR and CAR as xenobiotic receptors -- Nuclear receptor-mediated regulation of phase II conjugating enzymes -- Nuclear receptor-mediated regulation of drug transporters -- Structure and function of PXR and CAR -- Xenobiotic receptor cofactors and coregulators -- Animal models of xenobiotic nuclear receptors and their utility in drug development -- Nuclear receptors and drug-drug interactions of prescription drugs and herbal medicines -- Genetic variants of xenobiotic receptors and their implications in drug metabolism and pharmacogenetics -- Beyond PXR and CAR, regulation of xenobiotic metabolism by other nuclear receptors -- Emerging role of retinoid-related orphan receptor (ROR) and its cross talk with LXR (liver X receptor) in the regulation of drug-metabolizing enzymes.
Sommario/riassunto	This book gives you an updated and expert overview of nuclear hormone receptors in drug metabolism and drug development and equips you with the interdisciplinary understanding of these receptors

and how they can be regulated. Pharmaceutical researchers will find this extremely useful in developing drugs for cancer, heart disease, and diabetes treatment. This comprehensive resource collects scattered materials into one handy, informative volume.