

1. Record Nr.	UNINA9910483196003321
Titolo	Drug Discovery and Evaluation: Methods in Clinical Pharmacology [[electronic resource] /] / edited by H.Gerhard Vogel, Jochen Maas, Alexander Gebauer
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2011
ISBN	3-540-89891-3
Edizione	[1st ed. 2011.]
Descrizione fisica	1 online resource (XII, 564p. 138 illus.. eReference.)
Disciplina	615
Soggetti	Pharmacology Pharmacology/Toxicology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"With 153 figures and 95 tables."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	section A. Introduction -- section B. Clinical pharmacokinetics -- section C. Human studies in clinical pharmacology -- section D. Regulations.
Sommario/riassunto	Drug Discovery and Evaluation has become a more and more difficult, expensive and time-consuming process. The effect of a new compound has to be detected by in vitro and in vivo methods of pharmacology. The activity spectrum and the potency compared to existing drugs have to be determined. As these processes can be divided up stepwise we have designed a book series "Drug Discovery and Evaluation" in the form of a recommendation document. The methods to detect drug targets are described in the first volume of this series "Pharmacological Assays" comprising classical methods as well as new technologies. Before going to man, the most suitable compound has to be selected by pharmacokinetic studies and experiments in toxicology. These preclinical methods are described in the second volume „Safety and Pharmacokinetic Assays". Only then are first studies in human beings allowed. Special rules are established for Phase I studies. Clinical pharmacokinetics are performed in parallel with human studies on tolerability and therapeutic effects. Special studies according to various populations and different therapeutic indications are necessary. These items are covered in the third volume: „Methods in Clinical

