

1. Record Nr.	UNINA9910144273203321
Titolo	Chirality in drug research [[electronic resource] /] / edited by Eric Francotte and Wolfgang Lindner
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2006
ISBN	1-281-08787-4 9786611087876 3-527-60943-1 3-527-60871-0
Descrizione fisica	1 online resource (373 p.)
Collana	Methods and principles in medicinal chemistry ; ; v. 33
Altri autori (Persone)	FrancotteEric LindnerW (Wolfgang)
Disciplina	615.19
Soggetti	Chiral drugs Drugs - Research Drug development Medicaments - Recherche Medicaments - Developpement 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	Chiral drugs from a historical point of view / Joseph Gal -- Stereoselective synthesis of drugs : an industrial perspective / Hans-Jurgen Federsel -- Aspects of chirality in natural products drug discovery / Philipp Krastel, Frank Petersen, Silvio Roggo, Esther Schmitt, Ansgar Schuffenhauer -- Biotransformation methods for preparing chiral drugs and drug intermediates / Michael Muller, Marcel Wubbolts -- Resolution of chiral drugs and drug intermediates by crystallisation / Kazuhiko Saigo and Kenichi Sakai -- Isolation and production of optically pure drugs by enantioselective chromatography / Eric Francotte -- Stereoselective chromatographic methods for drug analysis / Norbert M. Maier, Wolfgang Lindner -- Capillary electrophoresis coupled to mass spectrometry for chiral drugs analysis / Serge Rudaz, Jean-Luc Veuthey -- Powerful chiral molecular tools for

preparation of enantiopure alcohols and simultaneous determination of their absolute configurations by X-ray crystallography and/or  $^1\text{H}$  NMR anisotropy methods / Nobuyuki Harada -- Keywords in chirality modeling : molecular modeling of chirality : software and literature research on chirality in modeling, chirality in docking, chiral ligand-receptor interaction and symmetry / Gerd Folkers, Mine Yarim, Pavel Pospisil.

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Sommario/riassunto

Divided into the three main sections of synthesis, analysis and drug development, this handbook covers all stages of the drug development process, including large-scale synthesis and purification of chirally pure pharmaceuticals. The two editors from academia and a major pharmaceutical company have assembled an experienced, international team who provide first-hand practical advice and report previously unpublished data. In the first section, the isolation of chiral drugs from natural sources, their production in enzymatic processes and the resolution of racemic mixtures in preparative

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