

1. Record Nr.	UNINA9910298596403321
Titolo	Antibacterials : Volume II // edited by Jed F. Fisher, Shahriar Mobashery, Marvin J. Miller
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-70839-2
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (222 pages) : illustrations
Collana	Topics in Medicinal Chemistry, , 1862-2461 ; ; 26
Disciplina	616.92061
Soggetti	Pharmaceutical chemistry Biochemistry Chemistry, Organic Medicinal Chemistry Biochemistry, general Organic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Nucleoside Natural Product Antibiotics Targetting Microbial Cell Wall Biosynthesis -- The Cyclic Lipopeptide Antibiotics -- Fully Synthetic Tetracyclines: Increasing Chemical Diversity to Combat Multidrug-Resistant Bacterial Infections -- The Antifolates -- The Oxazolidinones. - Sideromycins as Pathogen-Targeted Antibiotics -- Quorum Sensing Inhibitors as Pathoblockers for Pseudomonas aeruginosa Infections: A New Concept in Anti-Infective Drug Discovery.
Sommario/riassunto	Medicinal chemistry is both science and art. The science of medicinal chemistry offers mankind one of its best hopes for improving the quality of life. The art of medicinal chemistry continues to challenge its practitioners with the need for both intuition and experience to discover new drugs. Hence sharing the experience of drug research is uniquely beneficial to the field of medicinal chemistry. Drug research requires interdisciplinary team-work at the interface between chemistry, biology and medicine. Therefore, the topic-related series Topics in Medicinal Chemistry covers all relevant aspects of drug research, e.g. pathobiochemistry of diseases, identification and

validation of (emerging) drug targets, structural biology, drugability of targets, drug design approaches, chemogenomics, synthetic chemistry including combinatorial methods, bioorganic chemistry, natural compounds, high-throughput screening, pharmacological in vitro and in vivo investigations, drug-receptor interactions on the molecular level, structure-activity relationships, drug absorption, distribution, metabolism, elimination, toxicology and pharmacogenomics. In general, special volumes are edited by well known guest editors.

---