

1. Record Nr.	UNINA9910139946803321
Titolo	Fluorinated heterocyclic compounds [[electronic resource]] : synthesis, chemistry, and applications / / edited by Viacheslav A. Petrov
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, c2009
ISBN	1-282-30613-8 9786612306136 0-470-52894-X 0-470-52895-8
Descrizione fisica	1 online resource (535 p.)
Altri autori (Persone)	PetrovViacheslav A
Disciplina	547.59
Soggetti	Heterocyclic compounds - Synthesis Organofluorine compounds
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	FLUORINATED HETEROCYCLIC COMPOUNDS; CONTENTS; PREFACE; CONTRIBUTORS; INTRODUCTION: NOMENCLATURE OF POLYFLUORINATED HETEROCYCLES; PART I SYNTHESIS AND CHEMISTRY OF FLUORINATED HETEROCYCLES; 1 Fluorinated Three-Membered Ring Heterocycles; 2 Fluorinated Four-Membered Heterocycles; 3 Fluorinated Five-Membered Nitrogen-Containing Heterocycles; 4 Fluorinated Five-Membered Heterocycles Containing Oxygen, Sulfur, Selenium, and Phosphorus; 5 Synthesis of Fluorinated Sugars from Fluorine-Containing Synthons; 6 Synthesis of Ring-Fluorinated Pyridines 7 Synthesis and Chemical Transformation of Six-Membered Aromatic Heterocycles Containing Perfluoroalkyl Groups8 Perfluorinated Six-Membered Aromatic Heterocycles Containing One or More Heteroatom; 9 Perfluorinated Nonaromatic Heterocycles; 10 Seven-Membered and Larger Ring-Fluorinated Heterocycles; PART II APPLICATION OF FLUORINATED HETEROCYCLIC MATERIALS; 11 Agricultural Products Based on Fluorinated Heterocyclic Compounds; 12 Pharmaceuticals Containing Fluorinated Heterocyclic Compounds; 13 Practical Uses of Fluorinated Heterocycles; Index
Sommario/riassunto	A thorough survey of synthetic methods, chemistry, and applications of

major classes of fluorinated heterocycles Merging organic, heterocyclic, and fluoroorganic chemistry, fluorinated heterocyclic compounds have distinctively desirable properties suitable for use in pharmaceuticals and agrichemicals, especially their ability to penetrate the cell membrane barrier for drug absorption. Offering a needed overview of this relatively new addition to the heterocyclic family, this essential reference provides the latest state-of-the-art information on key application areas within fluorine c
