

1. Record Nr.	UNINA9910647496603321
Titolo	Exploring Chemistry with Pyridine Derivatives // edited by Satyanarayan Pal
Pubbl/distr/stampa	London : , : IntechOpen, , 2023 ©2023
Descrizione fisica	1 online resource (ix, 250 pages) : illustrations
Disciplina	547.593
Soggetti	Pyridine - Derivatives
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Pyridine Nucleus as a Directing Group for Metal-Based C-H Bond Activation -- 2. The Chemistry of Benzo and Carbocyclic Derivatives of Pyridine -- 3. Structural Diversity in Substituted Pyridinium Halocuprates(II) -- 4. Naturally Isolated Pyridine Compounds Having Pharmaceutical Applications -- 5. Pyridine Heterocycles in the Therapy of Oncological Diseases -- 6. The Expanding Role of Pyridine Derivatives as Privileged Scaffolds in Cardiac Ionic Channels -- 7. Fused Pyridine Derivatives: Synthesis and Biological Activities -- 8. Advances in Pyridyl-Based Fluorophores for Sensing Applications -- 9. Chemistry with Schiff Bases of Pyridine Derivatives: Their Potential as Bioactive Ligands and Chemosensors -- 10. 2(4)-Aminopyridines as Ligands in the Coordination and Extraction Chemistry of Platinum Metals.
Sommario/riassunto	This book discusses the chemistry and applications of pyridine derivatives. The library of pyridine derivatives is growing steadily with numerous synthetic analogues already described and the identification of new, naturally occurring pyridine-based compounds. The book includes ten chapters organized into two parts. The first part focuses on the numerous types of reactions that arise from pyridine derivatives. The second part examines the pharmaceutical applications of pyridine derivatives as well as their usefulness as sensors for metal cations and extracting agents for platinum group metals.