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	Anhydrase Isozymes XIII and XV13. Mechanism and Inhibition of the - Class and -Class Carbonic Anhydrases; 14. Fungal and Nematode Carbonic Anhydrases: Their Inhibition in Drug Design; 15. Crystallographic Studies on Carbonic Anhydrases from Fungal Pathogens for Structure-Assisted Drug Development; 16. Malaria Parasite Carbonic Anhydrase and Its Inhibition in the Development of Novel Therapies of Malaria; 17. Inhibitors of Helicobacter pylori - and -Carbonic Anhydrases as Novel Drugs for Gastroduodenal Diseases 18. QSAR of Carbonic Anhydrase Inhibitors and Their Impact on Drug Design19. Selectivity Issues in the Design of CA Inhibitors; 20. Bicarbonate Transport Metabolons; 21. Metal Complexes of Sulfonamides as Dual Carbonic Anhydrase Inhibitors; 22. Drug Design Studies of Carbonic Anhydrase Activators; PART III DRUG DESIGN OF MATRIX METALLOPROTEINASE INHIBITORS; 23. Matrix Metalloproteinases: An Overview; 24. MMP Inhibitors Based on Earlier Succinimide Strategies: From Early to New Approaches; 25. Drug Design of Sulfonylated MMP Inhibitors; 26. ADAMs and ADAMTs Selective Synthetic Inhibitors 27. QSAR Studies of MMP InhibitorsPART IV DRUG DESIGN OF BACTERIAL ZINC PROTEASE INHIBITORS; 28. Bacterial Zinc Proteases as Orphan Targets; 29. Botulinus Toxin, Tetanus Toxin, and Anthrax Lethal Factor Inhibitors; 30. Clostridium histolyticum Collagenase Inhibitors in the Drug Design; 31. Other Bacterial Zinc Peptidases as Potential Drug Targets; PART V DRUG DESIGN STUDIES OF OTHER ZINC- CONTAINING ENZYMES; 32. Angiotensin Converting Enzyme (ACE) Inhibitors; 33. P-III Metalloproteinase (Leucurolysin-B) from Bothrops leucurus Venom: Isolation and Possible Inhibition 34. CaaX-Protein Prenyltransferase Inhibitors
Sommario/riassunto	Brings together functional and structural informationrelevant to the design of drugs targeting zinc enzymes The second most abundant transition element in living organisms, zinc spans all areas of metabolism, with zinc-containing proteins offering both established and potential drug targets. Drug Design of Zinc-Enzyme Inhibitors brings together functional and structural information relevant to these zinc-containing targets. With up-to-date overviews of the latest developments field, this unique and comprehensive text enables readers to understand zinc enzymes and evaluate them