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Potential for Targeting Protein-Protein Interaction

14 Targeting Prokaryotic Enzymes in the Eukaryotic Pathogen *Cryptosporidium*; Part Three: Drug Targets in Apicomplexan Parasites; 15 Novel Apicomplexan Phosphatases and Immunophilins as Domain-Specific Drug Targets; 16 Dehydrogenases and Enzymes of the Mitochondrial Electron Transport Chain as Anti-Apicomplexan Drug Targets; 17 Calcium-Dependent Protein Kinases as Drug Targets in Apicomplexan Parasites; 18 Protein Acylation: New Potential Targets for Intervention Against the Apicomplexa; 19 Drugs and Drug Targets in *Neospora caninum* and Related Apicomplexans; Part Four: Compounds 20 Subversive Substrates of Glutathione Reductases from *Plasmodium falciparum*-Infected Red Blood Cells as Antimalarial Agents; 21 Ferroquine: A Concealed Weapon; 22 Current Aspects of Endoperoxides in Antiparasitic Chemotherapy; 23 *Plasmodium* Hsp90 as an Antimalarial Target; 24 Drug Discovery Against *Babesia* and *Toxoplasma*; 25 Search for Drugs and Drug Targets against *Babesia bovis*, *Babesia bigemina*, *Babesia caballi*, and *Babesia (Theileria) equi*; 26 Orlistat: A Repositioning Opportunity as a Growth Inhibitor of Apicomplexan Parasites?; 27 Recent Drug Discovery Against *Cryptosporidium*; Index

Sommario/riassunto

This handbook is the first dealing with the discovery of drugs directed against apicomplexan parasites. Amongst others, this group of endoparasites includes the causative agents of Malaria, Toxoplasmosis, and Babesiosis, the latter occurring mainly in animals. Written by renowned scientific experts from academia and industry, the book focuses on current drug development approaches for all apicomplexan diseases making it appealing to a large audience, ranging from research labs in academia to the human and veterinarian pharmaceutical industry. This work is the second volume of the new book series.

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