

# Chemotherapeutic Targets In Parasites

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Analyzes mechanisms of parasite survival, and advocates the latest molecular strategies with which to identify effective antiparasitic agents. Parasitic infections are the most prevalent of human diseases, and researchers continue to face the challenge of designing drugs to successfully counteract them.

Chemotherapeutic Targets in Parasites analyzes the critical metabolic reactions and structural features essential for parasite survival, and advocates the latest molecular strategies with which to identify effective antiparasitic agents. An introduction to the early development of parasite chemotherapy is followed by an overview of biophysical techniques and genomic and proteomic analysis. Several chapters are devoted to specific types of chemotherapeutic agents and their targets in malaria, trypanosomes, leishmania and amitochondrial protists. Chapters on helminths include metabolic, neuromuscular, microtubular and tegumental targets. Emphasized throughout is the design of more selective and less toxic drugs than in the past. This book will be especially relevant to medical and clinical researchers and to graduate students in parasitology, pharmacology, medicine, microbiology, and biochemistry. EAN/ISBN : 9780511059674 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Mansour, Tag E. - Mansour, Joan MacKinnon

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