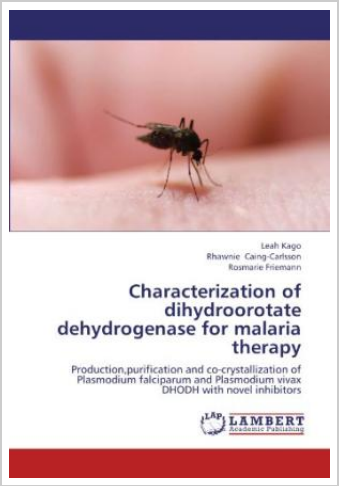

Characterization of dihydroorotate dehydrogenase for malaria therapy

By Kago, Leah / Caing-Carlsson, Rhawnie

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Production,purification and co-crystallization of Plasmodium falciparum and Plasmodium vivax DHODH with novel inhibitors | Malaria remains a world's disease burden causing high incidences of mortality in susceptible populations.Severe cases of malaria are caused by parasites of the apicomplexan Plasmodium falciparum localized in sub-saharan Africa whereas less severe malaria but most prevalent outside Africa is caused by Plasmodium vivax.Malaria campaigns through vector control and effective artemesinins-based combination therapy has considerably reduced malarial mortality ratesin the past decade.However, increasing cases of drug resistance has raised an urgent need for development of new anti-malarial drugs. In-silico drug design using the structure of the biological target is the latest lead optimization option in search of more potent drugs.In this work, i sought to determine the 3-dimensional structure of the biological target,dehydroorotate dihydrogenase(DHODH) from the above mentioned plasmodia species co-crystallized with novel drug candidates.Characterization of the parasitic DHODH involved target gene cloning,site directed mutagenesis,protein expression and purification and subsequent co-crystallization for structure determination.This book therefore,targets life science research professionals | Format: Paperback | Language/Sprache: english | 68 pp.

Reviews

It in a of the best publication. It really is rally intriguing throgh reading through period of time. You will not feel monotony at anytime of your own time (that's what catalogs are for relating to in the event you request me).

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It in one of my favorite publication. It is among the most awesome publication i have go through. I am just quickly will get a delight of reading through a published publication.

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