2-THIOXOTHIAZOLIDIN-4-ONE COMPOUNDS AND COMPOSITIONS AS ANTIMICROBIAL AND ANTIMALARIAL AGENTS TARGETING ENOYL-ACP REDUCTASE OF TYPE II FATTY ACID SYNTHESIS PATHWAY AND OTHER CELL GROWTH PATHWAYS

ABSTRACT

The current invention presents enoyl-ACP reductase, an enzyme of the type II fatty acid synthesis pathway as a target for treating human malarias and other infectious diseases. We also present in the current invention, 2-thioxothiazolidin-4-ones as antimicrobial and antimalarial agents. We provide 2-thioxothiazolidin-4-ones as antimicrobial and antimalarial agents either alone or in combination with other known antimicrobial and antimalarial agents with or without added adjuvants or diluents or carriers.

Figure 1B(ii)