

Synthesis, antimalarial and antitubercular activity of acetylenic chalcones

Abstract:

A series of acetylenic chalcones were evaluated for antimalarial and antitubercular activity. The antimalarial data for this series suggests that growth inhibition of the W2 strain of *Plasmodium falciparum* can be imparted by the introduction of a methoxy group ortho to the acetylenic group. Most compounds were more active against non-replicating than replicating cultures of *Mycobacterium tuberculosis* H37Rv, an unusual pattern with respect to existing anti-TB agents.