

Title (en)

BIFUNCTIONAL INHIBITORS OF MALARIAL PROTEASES AND USES THEREOF

Title (de)

BIFUNKTIONELLE MALARIA-PROTEASE-INHIBITOREN UND IHRE ANWENDUNG

Title (fr)

INHIBITEURS BIFONCTIONNELS DE PROTEASES PALUDEENNES ET LEURS APPLICATIONS

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Application

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Abstract (en)

[origin: WO0183433A1] One aspect of the present invention is a novel class of compounds that are bifunctional inhibitors of aspartic proteases and cysteine proteases, particularly of the malarial proteases, falcipain and the plasmepsins. By inhibiting these proteases the compounds interfere with a function necessary for the growth and survival of the parasite, namely the degradation of hemoglobin. The compounds are useful for the treatment of parasitic infection, specifically malaria. The invention also includes pharmaceutical compositions containing the inventive compounds. In addition, the invention includes methods of treating and/or preventing parasitic infection, particularly malaria, by administering the inventive compounds either alone or in combination with a variety of other antiparasitic agents, vaccines, etc.

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