

Title (en)

COMPOSITIONS AND METHODS FOR TREATING MALARIA WITH CUPREDOXIN AND CYTOCHROME

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR BEHANDLUNG VON MALARIA MIT CUPREDOXIN UND CYTOCHROM

Title (fr)

COMPOSITIONS ET METHODES DE TRAITEMENT DU PALUDISME AU MOYEN DE CUPREDOXINES ET DE CYTOCHROMES

Publication

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Application

EP 06770687 A 20060519

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- US 78086806 P 20060310

Abstract (en)

[origin: WO2006127477A2] The present invention relates to cupredoxin and cytochrome and their use, separately or together, to inhibit the spread of parasitemia in mammalian red blood cells and other tissues infected by the malaria parasite, and in particular the parasitemia of human red blood cells by *P. falciparum*. The invention provides isolated peptides that are variants, derivatives or structural equivalents of cupredoxins or cytochrome c, and compositions comprising cupredoxins and/or cytochrome c, or variants, derivatives or structural equivalents thereof, that are useful for treating or preventing malaria infection in mammals. Further, the invention provides methods to treat mammalian patients to prevent or inhibit the growth of malarial infection in mammals. The invention also provides methods to prevent the growth of malaria infection in insect vectors.

IPC 8 full level

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Citation (search report)

- [X] YAMADA TOHRU ET AL: "Bacterial redox protein azurin, tumor suppressor protein p53, and regression of cancer.", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 99, no. 22, 29 October 2002 (2002-10-29), pages 14098 - 14103, XP002486971, ISSN: 0027-8424
- [A] GOUGH JULIAN ET AL: "The linked conservation of structure and function in a family of high diversity: The monomeric cupredoxins", STRUCTURE (CAMBRIDGE), vol. 12, no. 6, June 2004 (2004-06-01), pages 917 - 925, XP002486972, ISSN: 0969-2126
- See references of WO 2006127477A2

Citation (examination)

GOTSCHLICH E C ET AL: "Identification and gene structure of an azurin-like protein with a lipoprotein signal peptide in *Neisseria gonorrhoeae*", FEMS MICROBIOLOGY LETTERS, BLACKWELL PUBLISHING, AMSTERDAM, NL LNKD- DOI:10.1111/J.1574-6968.1987.TB02153.X, vol. 43, no. 3, 1 September 1987 (1987-09-01), pages 253 - 255, XP025516200, ISSN: 0378-1097, [retrieved on 19870901]

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