

Title (en)

COMPOSITIONS AND METHODS FOR INHIBITING HEPATOCYTE INVASION BY MALARIAL SPOROZOITES

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR HEMMUNG DER INVASION VON HEPATOZYTEN DURCH MALARIASPOROZOITEN

Title (fr)

COMPOSITIONS ET PROCEDES DESTINES A INHIBER L'INVASION DES HEPATOCYTES PAR LES SPOROZO TES DU PALUDISME

Publication

EP 0730466 A4 19990414 (EN)

Application

EP 94928067 A 19940909

Priority

- US 9410186 W 19940909
- US 11969493 A 19930910

Abstract (en)

[origin: WO9507094A1] There is provided peptide and mimetic inhibitors for the binding of a circumsporozoite polypeptide to receptors of hepatocytes from malaria-susceptible mammals. Also contemplated is a method of inhibiting the binding of a malaria sporozoites to hepatocytes susceptible to sporozoite invasion. A peptide of Region II+ of the circumsporozoite protein is also provided, as is a method of targeting the delivery of substances to hepatocytes.

IPC 1-7

A61K 38/00; **A61K 39/015**; **C07K 14/445**

IPC 8 full level

C07K 14/445 (2006.01); **C07K 14/705** (2006.01); **C12N 15/87** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

C07K 14/445 (2013.01); **C07K 14/705** (2013.01); **C12N 15/87** (2013.01); **A61K 38/00** (2013.01); **Y02A 50/30** (2017.12)

Citation (search report)

- [XY] WO 9303057 A1 19930218 - PASTEUR INSTITUT [FR]
- [XY] WO 9302704 A1 19930218 - PASTEUR INSTITUT [FR]
- [Y] EP 0432965 A1 19910619 - SMITHKLINE BEECHAM CORP [US], et al
- [A] EP 0517182 A1 19921209 - MITSUBISHI CHEM IND [JP]
- [E] WO 9406464 A1 19940331 - UNIV NEW YORK [US]
- [E] EP 0578342 A2 19940112 - GRACE W R & CO [US], et al
- [XY] CERAMI, CARLA ET AL: "The basolateral domain of the hepatocyte plasma membrane bears receptors for the circumsporozoite protein of Plasmodium falciparum sporozoites", CELL (CAMBRIDGE, MASS.) (1992), 70(6), 1021-33 CODEN: CELLB5;ISSN: 0092-8674, 1992, XP002090186
- [PX] SINNIS, PHOTINI ET AL: "Structural and functional properties of region II-plus of the malaria circumsporozoite protein", J. EXP. MED. (1994), 180(1), 297-306 CODEN: JEMEAV;ISSN: 0022-1007, 1994, XP002090187
- See references of WO 9507094A1

Designated contracting state (EPC)

BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9507094 A1 19950316; AU 7724894 A 19950327; CA 2171562 A1 19950316; EP 0730466 A1 19960911; EP 0730466 A4 19990414

DOCDB simple family (application)

US 9410186 W 19940909; AU 7724894 A 19940909; CA 2171562 A 19940909; EP 94928067 A 19940909