

Title (en)

COMPOSITIONS AND METHODS FOR TREATING HIV INFECTION WITH CUPREDOXIN AND CYTOCHROME C

Title (de)

ZUSAMMENSETZUNGEN UND VERFAHREN ZUR BEHANDLUNG VON HIV-INFEKTIONEN MIT CUPREDOXIN UND CYTOCHROM C

Title (fr)

COMPOSITIONS ET MÉTHODES POUR TRAITER UNE INFECTION VIH À L'AIDE DE CUPRÉDOXINE ET DE CYTOCHROME C

Publication

**EP 1883650 A4 20090610 (EN)**

Application

**EP 06770729 A 20060519**

Priority

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- US 68283305 P 20050520
- US 24410505 A 20051006
- US 78086806 P 20060310

Abstract (en)

[origin: WO2006127514A2] The present invention relates to cupredoxin, specifically *Pseudomonas aeruginosa* azurin, and/or *Pseudomonas aeruginosa* cytochrome c551 and their use in inhibiting of viral infection, and in particular infection of mammalian cells by the Human Immunodeficiency Virus (HIV). The invention also relates to variants and derivatives of cupredoxin and cytochrome c that retain the ability to inhibit viral infection, and in particular infection by the Human Immunodeficiency Virus (HIV). The invention also relates to research methods for studying viral and bacterial infection in mammalian cells.

IPC 8 full level

**C12P 21/04** (2006.01)

CPC (source: EP KR)

**A61P 1/16** (2017.12 - EP); **A61P 31/06** (2017.12 - EP); **A61P 31/12** (2017.12 - EP); **A61P 31/14** (2017.12 - EP); **A61P 31/16** (2017.12 - EP); **A61P 31/18** (2017.12 - EP); **A61P 31/20** (2017.12 - EP); **A61P 31/22** (2017.12 - EP); **C07K 14/195** (2013.01 - EP KR); **C07K 14/21** (2013.01 - EP); **C07K 14/80** (2013.01 - EP); **C07K 14/82** (2013.01 - KR); **C12N 9/0006** (2013.01 - EP); **A61K 38/00** (2013.01 - EP); **Y02A 50/30** (2017.12 - EP)

Citation (search report)

- [X] WO 2005018662 A1 20050303 - UNIV ILLINOIS [US], et al
- [X] WO 02076380 A2 20021003 - UNIV ILLINOIS [US]
- [L] WO 2006127477 A2 20061130 - UNIV ILLINOIS [US], et al
- [X] MASATOSHI GOTO ET AL.: "Induction of apoptosis in macrophages by *Pseudomonas aeruginosa* azurin: tumour-suppressor protein p53 and reactive oxygen species, as critical elements in cytotoxicity", MOLECULAR MICROBIOLOGY, vol. 47, no. 2, 2003, pages 549 - 559, XP002525218
- [X] TOHRU YAMADA ET AL.: "Apoptosis or growth arrest: Modulation of tumor suppressor p53's specificity by bacterial redox protein azurin", PNAS, vol. 101, no. 14, 6 April 2004 (2004-04-06), pages 4770 - 4775, XP002525224
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- See references of WO 2006127514A2

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DOCDB simple family (publication)

**WO 2006127514 A2 20061130**; **WO 2006127514 A3 20080626**; AU 2006251644 A1 20061130; BR PI0612431 A2 20090210; CA 2608398 A1 20061130; EP 1883650 A2 20080206; EP 1883650 A4 20090610; IL 187160 A0 20080209; JP 2008545398 A 20081218; KR 20080024124 A 20080317; MX 2007014599 A 20080207; NO 20076389 L 20080220

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**US 2006019565 W 20060519**; AU 2006251644 A 20060519; BR PI0612431 A 20060519; CA 2608398 A 20060519; EP 06770729 A 20060519; IL 18716007 A 20071105; JP 2008512556 A 20060519; KR 20077028986 A 20071212; MX 2007014599 A 20060519; NO 20076389 A 20071211