Title (en)

PHOTODYNAMIC INACTIVATION OF VIRAL AND BACTERIAL BLOOD CONTAMINANTS WITH HALOGENATED COUMARIN AND FUROCOUMARIN SENSITIZERS

Title (de)

PHOTODYNAMISCHE INAKTIVIERUNG VON VIRALEN UND BAKTERIELLEN BLUTKOMBINANTEN MIT HALOGENIERTEN COUMARIN-UND FUOROCOUMARIN-SENSIBILATOREN

Title (fr)

PROCEDE D'INACTIVATION PHOTODYNAMIQUE DE CONTAMINANTS DU SANG DE NATURE VIRALE ET BACTERIENNE A L'AIDE DE SENSIBILISANTS A LA COUMARINE OU LA FUROCOUMARINE

Publication

EP 0782388 A4 20000308 (EN)

Application

EP 95933899 A 19950921

Priority

- US 9512069 W 19950921
- US 31112594 A 19940922
- US 34368094 A 19941122
- US 42708095 A 19950421
- US 46162695 A 19950605

Abstract (en)

[origin: WO9608965A1] Viral, bacterial and parasitic contaminants in biological compositions are photodynamically inactivated by mixing halogenated coumarin and furocoumarin photosensitizers with the biological composition and irradiating the mixture. The figure depicts the proposed energy diagram of the instant photosensitizers.

IPC 1-7

A01N 1/02; A01N 43/16; C12N 15/00; A61K 41/00

IPC 8 full level

A61K 41/00 (2006.01)

CPC (source: EP)

A61K 41/0057 (2013.01); **A61K 41/17** (2020.01)

Citation (search report)

- [X] WO 9314791 A2 19930805 - CRYOPHARM CORP [US]
- [E] WO 9639816 A1 19961219 - CREDIT MANAGERS ASS OF CALIFOR [US]
- [X] WO 9007952 A1 19900726 - BISACCIA EMIL [US], et al
- [X] DATABASE CHEMABS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MIOLO, G. ET AL: "Antiretroviral activity of furocoumarins plus UVA light detected by a replication-defective retrovirus", XP002126268, retrieved from STN Database accession no. 122:50251 & J. PHOTOCHEM. PHOTOBIOL., B (1994), 26(3), 241-7
- [X] DATABASE CHEMABS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; LYTLE, C. DAVID ET AL: "Antiviral activity of gilvocarcin V plus UVA radiation", XP002126269, retrieved from STN Database accession no. 120:100767 & PHOTOCHEM. PHOTOBIOL. (1993), 58(6), 818-21
- [X] DATABASE CHEMABS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; RONTO, GYORGYI ET AL: "Action spectra for photoinduced inactivation of bacteriophage T7 sensitized by 8-methoxypsoralen and angelicin", XP002126270, retrieved from STN Database accession no. 111:170121 & J. PHOTOCHEM. PHOTOBIOL., B (1989), 3(4), 497-507
- [X] DATABASE CHEMABS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; TOTH, K. ET AL: "Characterization of new furocoumarin derivatives by their dark and light-mediated action on RNA bacteriophage MS2", XP002126271, retrieved from STN Database accession no. 109:207546 & J. PHOTOCHEM. PHOTOBIOL., B (1988), 2(2), 209-20
- [X] DATABASE CHEMABS [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MATTHEWS, J. L. ET AL: "Inactivation of viruses with photoactive compounds", XP002126272, retrieved from STN Database accession no. 117:22546 CA & BLOOD CELLS (1992), 18(1), 75-89, 1992
- See references of WO 9608965A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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DOCDB simple family (application)

US 9512069 W 19950921; AU 3638595 A 19950921; CA 2199372 A 19950921; EP 95933899 A 19950921; NO 971350 A 19970321