

Title (en)  
BACTERIAL ISOLATES FROM ORGANISMS THAT RESPIRE AT LEAST PARTIALLY THROUGH THEIR SKIN AND BIOLOGICALLY ACTIVE EXTRACTS DERIVED THEREFROM

Title (de)  
BAKTERIENISOLATE VON ORGANISMEN, DIE ZUMINDEST TEILWEISE DURCH DIE HAUT ATMEN, UND DAVON ABGELEITETE, BIOLOGISCH WIRKSAME EXTRAKTE

Title (fr)  
ISOLATS BACTERIENS A PARTIR D'ORGANISMES QUI RESPIRENT AU MOINS PAR LEUR PEAU ET EXTRAITS BIOLOGIQUEMENT ACTIFS DERIVES DE CEUX-CI.

Publication  
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Application  
**EP 02714692 A 20020104**

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Abstract (en)  
[origin: WO02078720A2] Extracts including a biologically active compound or combination of compounds derived from microorganisms isolated from mucus-producing organisms that respire at least partially through their skin. Rod-shaped bacteria isolated from the skin of salamanders and frogs are found to produce compound(s) which have antiviral, antitumor, antibacterial and antifungal properties. These compound(s) have an inhibitory effect on opportunistic human pathogens, including *Candida* sp., *Microsporum* sp., *Staphylococcus* sp., *Pseudomonas* sp., *Escherichia* sp., and *Enterococcus* sp., as well as on HIV strains and tumor cell lines.  
[origin: WO02078720A2] This invention discloses extracts including a biologically active compound or combination of compounds derived from microorganisms isolated from mucous-producing organisms that respire at least partially through their skin. Rod-shaped bacteria isolated from the skin of salamanders and frogs are found to produce compound(s) that have antiviral, antitumor, antibacterial and antifungal properties. These compounds have an inhibitory effect on opportunistic human pathogens, including *Candida* sp., *Microsporum* sp., *Staphylococcus* sp., *Pseudomonas* sp., *Escherichia* sp., and *Enterococcus* sp., as well as on HIV strains and tumor cell lines.

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