

Title (en)  
BISMUTH-THIOLS AS ANTISEPTICS FOR BIOMEDICAL USES, INCLUDING TREATMENT OF BACTERIAL BIOFILMS AND OTHER USES

Title (de)  
WISMUT-THIOLE ALS ANTISEPTIKA ZUR BIOMEDIZINISCHEN VERWENDUNG EINSCHLIESSLICH BEHANDLUNG BAKTERIELLER BIOFILME UND ANDERER VERWENDUNGEN

Title (fr)  
BISMUTH-THIOLS COMME ANTISEPTIQUES DESTINÉS À DES UTILISATIONS BIOMÉDICALES, COMPRENANT LE TRAITEMENT DE BIOFILMS BACTÉRIENS ET D'AUTRES UTILISATIONS

Publication  
**EP 2536406 A4 20140409 (EN)**

Application  
**EP 11740333 A 20110203**

Priority  
• US 37318810 P 20100812  
• US 2010023108 W 20100203  
• US 2011023549 W 20110203

Abstract (en)  
[origin: WO2011097347A2] Compositions and methods, including novel homogeneous microparticulate suspensions, are described for treating natural surfaces that contain bacterial biofilm, including unexpected synergy or enhancing effects between bismuth-thiol (BT) compounds and certain antibiotics, to provide formulations including antiseptic formulations. Previously unpredicted antibacterial properties and anti-biofilm properties of disclosed BT compounds and BT compound-plus-antibiotic combinations are also described, including preferential efficacies of certain such compositions for treating certain gram-positive bacterial infections, and distinct preferential efficacies of certain such compositions for treating certain gram-negative bacterial infections.

IPC 8 full level  
**A61K 38/48** (2006.01); **A61K 9/14** (2006.01); **A61K 38/27** (2006.01); **A61P 3/04** (2006.01); **A61P 3/08** (2006.01); **A61P 3/10** (2006.01); **C07H 21/04** (2006.01); **C07K 14/46** (2006.01); **C07K 14/61** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 9/64** (2006.01); **C12N 15/62** (2006.01); **C12N 15/63** (2006.01)

CPC (source: CN EP)  
**A01N 55/02** (2013.01 - EP); **A61K 9/0014** (2013.01 - EP); **A61K 9/145** (2013.01 - EP); **A61K 31/165** (2013.01 - CN); **A61K 31/29** (2013.01 - EP); **A61K 31/496** (2013.01 - CN); **A61K 31/65** (2013.01 - CN); **A61K 31/7036** (2013.01 - CN); **A61K 33/245** (2013.01 - CN EP); **A61K 38/14** (2013.01 - CN); **A61K 45/06** (2013.01 - CN); **A61P 3/04** (2017.12 - EP); **A61P 3/08** (2017.12 - EP); **A61P 3/10** (2017.12 - EP); **A61P 17/00** (2017.12 - EP); **A61P 17/02** (2017.12 - EP); **A61P 31/02** (2017.12 - EP); **A61P 31/04** (2017.12 - EP); **A61P 31/10** (2017.12 - EP); **A61P 31/12** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **Y02A 50/30** (2017.12 - EP)

Citation (search report)  
• [XPL] WO 2010091124 A2 20100812 - MICROBION CORP [US], et al  
• [XI] US 2002197282 A1 20021226 - MOHSENI SAEED H [US], et al  
• See references of WO 2011097347A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011097347 A2 20110811; WO 2011097347 A3 20111222**; AU 2011212941 A1 20120927; AU 2011212941 B2 20160303; CA 2788669 A1 20110811; CA 2788669 C 20210525; CN 103079557 A 20130501; CN 107308186 A 20171103; EP 2536406 A2 20121226; EP 2536406 A4 20140409; JP 2013518895 A 20130523; MX 2012009054 A 20121217; MX 346409 B 20170317

DOCDB simple family (application)  
**US 2011023549 W 20110203**; AU 2011212941 A 20110203; CA 2788669 A 20110203; CN 201180015305 A 20110203; CN 201710523562 A 20110203; EP 11740333 A 20110203; JP 2012552075 A 20110203; MX 2012009054 A 20110203