

Title (en)
BLOCKERS OF THE QUORUM SENSING SYSTEM OF GRAM-NEGATIVE BACTERIA

Title (de)
BLOCKER DES QUORUM-SENSING-SYSTEMS VON GRAMNEGATIVEN BAKTERIEN

Title (fr)
AGENTS BLOQUANTS DU SYSTÈME QUORUM SENSING DES BACTÉRIES GRAM-NÉGATIVES

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EP 04731333 A 20040506

Priority

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Abstract (en)
[origin: EP1475092A1] The present invention relates to the use of compounds of the general Formula (XIII): <CHEM> wherein A<7> is C=O, C=S, SO₂, CH-OR<13>, C=NR<12>, or CH₂-CHOR<13>; A<8> is C(R<14>)₂, O, S, or NR<12>; A<9> is C=O, C=S, SO₂, CH-OR<13>, C=NR<12>, or CH₂-CHOR<13>; m is 0, or 1 q is 0, or 1 r is 0, or 1 R<12> is H, CH₃, CH₂-CH₃, OCH₃, OCH₂-CH₃, OH, or SH; R<13> is H, CH₃, or CH₂-CH₃; R<14> is H, alkyl, alkoxy, OH, or SH; as selective inhibitors of bacterial pathogens. In particular the invention refers to a family of compounds that block the quorum sensing system of Gram-negative bacteria, a process for their manufacture, pharmaceutical compositions containing them and to their use for the treatment and prevention of microbial damages and diseases, in particular for diseases where there is an advantage in inhibiting quorum sensing regulated phenotypes of pathogens.

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