

Title (en)
ANTIBACTERIAL HETEROCYCLIC AMINO ACID DERIVATIVES

Title (de)
ANTIBAKTERIELLE HETEROCYCLISCHE AMINOSÄUREDERIVATE

Title (fr)
DERIVES D'ACIDE AMINE HETEROCYCLIQUE ANTIBACTERIEN

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Application
EP 98913662 A 19980225

Priority
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Abstract (en)
[origin: WO9839311A1] A method of treatment of bacterial infections in humans or animals which comprises administering, in combination with a beta -lactam antibiotic, a therapeutically effective amount of an amino acid derivative or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof: (i) or (ii), wherein X is S, S(O)p or CH₂ where p is 1 or 2; R is hydrogen, a salt forming cation or an in vivo hydrolysable ester-forming group; R₁ and R₂ are selected from halogen, mercapto, (C1-6)alkyl optionally substituted by 1-3 halo, phenyl, (C1-6)alkoxy optionally substituted by 1-3 halo, hydroxy(C1-6)alkyl, mercapto(C1-6)alkyl, hydroxy, CO₂R₇, N(R₇)₂ or CON(R₇)₂ where each R₇ is independently hydrogen or (C1-6)alkyl, OCONH₂, nitro, (C1-6)alkylcarbonyloxy, (C1-6)alkoxycarbonyl(C1-6)alkyl, formyl, or (C1-6)alkylcarbonyl groups; R₃ is hydrogen, (C1-6)alkyl optionally substituted by up to three halogen atoms, (C3-7)cycloalkyl, fused aryl(C3-7)cycloalkyl, (C3-7)cycloalkyl(C2-6)alkyl, (C2-6)alkenyl, (C2-6)alkynyl, aryl, aryl-(CHR₁₀)_m-X₁-(CHR₁₁)_n, heterocyclyl or heterocyclyl-(CHR₁₀)_m-X₁-(CHR₁₁)_n, where m is 0 to 3, n is 1 to 3, each R₁₀ and R₁₁ is independently hydrogen or (C1-4)alkyl and X₁ is O, S(O)_x where x is 0-2, or a bond; R₄ is hydrogen, or an in vivo hydrolysable acyl group; and R₅ and R₆ are independently hydrogen and (C1-6)alkyl or together represent (CH₂)_q where q is 2 to 5.

IPC 1-7
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IPC 8 full level
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