

Title (en)
HYDROXYPYRIDINONE DERIVATIVES, THEIR METAL COMPLEXES AND THEIR USE IN THE PRODUCTION OF CONJUGATES WITH BIOMOLECULES

Title (de)
HYDROXYPYRIDINON-DERIVATE, DEREN METALLKOMPLEXE UND DEREN VERWENDUNG ZUR HERSTELLUNG VON KONJUGATEN MIT BIOMOLEKJLEN

Title (fr)
DERIVES D'HYDROXYPYRIDINONE, LEURS COMPLEXES METALLIQUES ET LEUR UTILISATION POUR LA PRODUCTION DE CONJUGUES AVEC DES BIOMOLECULES

Publication
EP 1828129 A1 20070905 (DE)

Application
EP 05818828 A 20051220

Priority
• EP 2005013731 W 20051220
• DE 102004062258 A 20041223

Abstract (en)
[origin: DE102004062258B3] Hydroxypyrimidone, hydroxypyridinone or dihydroxybenzene derivatives (I) are new. Hydroxypyrimidone, hydroxypyridinone or dihydroxybenzene derivatives of formula (I) and their salts are new: (RCO)3AUX (I) R : 2-W2>-3-R1>-5-OZ-4(3H)-oxo-6-pyrimidinyl; 5-W1>-6-W2>-1-R1>-3-OZ-2(1H)-oxo-4-pyridinyl or 6-W1>-5-W2>-4-R2>-2-OZ-3-hydroxyphenyl; Z : H or metal; R1>H or 1-10C (un)saturated (cyclo)alkyl optionally interrupted by 1-3 of O, S and/or NR3> and optionally substituted with 1-4 of OH, 1-2 of COOH (optionally protected), 1-2 of SO3OH (optionally protected), 1-2 of PO3H2, 1-2 of halo and/or 1-2 of oxo; R2>R1>, -OOOH (sic), halo, CONR3>R4>, SO3H or PO3H2; R3>, R4>H or 1-10C (un)saturated (cyclo)alkyl optionally substituted with 1-4 OH groups or interrupted by 1-2 O atoms; W1>, W2>R1> or CONR3>R4>; A : CH(NH)CH2N(CH2CH2NH)2 or CH(NH)CON(CH2CH2NH)2 with NH bonded to COR and CH bonded to U; U : a bond or 1-20C (un)saturated (cyclo)alkylene optionally interrupted by 1-4 each of O, S, N, NR3>, NHCO, CONH and/or OP(O)(OH)O and/or 1-2 of arylene and optionally substituted with 1-3 each of 1-10C (un)saturated (cyclo)alkyl, OH, COOH, aryl, halo, 1-6C (un)saturated (cyclo)alkoxy and/or oxo; X : a group capable of reacting with a biomolecule. An independent claim is also included for a process for preparing (I).

IPC 8 full level
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