

Title (en)

4-SUBSTITUED QUINOLEIN DERIVATIVES WITH ANTIMICROBIAL ACTIVITY

Title (de)

4-SUBSTITUIERTE CHINOLEIN DERIVATE MIT ANTIMIKROBIELLER WIRKUNG

Title (fr)

DERIVES DE QUINOLEINES-4-SUBSTITUEES AVEC UNE ACTIVITE ANTIMICROBIENNE

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Application

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Abstract (en)

[origin: CA2520764A1] The invention concerns 4-substituted quinoline derivatives active as antimicrobial agents, of general formula (I), wherein: X1, X2, X3, X4 and X5 respectively represent >C-R'1 to >C-R'5, or not more than one represents N; Y represents CHR, CO, CROH, CRNH2, CRF or CF2, R being hydrogen or alkyl; m is 1, 2, or 3 and n is 0, 1 or 2; Z is CH2 or Z represents O, S, SO, SO2 and, in that case, n is equal to 2; R2 represents -CO2R, -CH2CO2R, -CH2-CH2CO2R, -CH2OH or -CH2-CH2OH, R being as defined above; R3 represents phenyl, heteroaryl or alk-R~3, wherein alk is an alkyl and R~3 represents various groups, optionally oxygenated, sulphured or aminated, in their enantiomeric or diastereoisomeric forms or mixtures thereof, and optionally in their syn or anti forms or mixtures thereof, as well as their salts.

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