

Title (en)

DUAL MOLECULES CONTAINING A PEROXIDE DERIVATIVE, THEIR SYNTHESIS AND THERAPEUTIC USES

Title (de)

DOPPELMOLEKÜLE MIT EINEM PEROXIDDERIVAT, IHRE SYNTHESE UND THERAPEUTISCHE VERWENDUNG

Title (fr)

MOLECULES DUALES CONTENANT UN DERIVE PEROXYDIQUE, LEUR SYNTHÈSE ET LEURS APPLICATIONS THERAPEUTIQUES

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Application

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Abstract (en)

[origin: WO2007144487A2] The invention concerns dual molecules corresponding to formula (I): in which: - A represents a molecular residue with antimalarial activity of formula (IIa) or (IIIa) or a residue facilitating bioavailability; - B represents a cycloalkyl group potentially substituted, or B represents a bi- or tricyclic group capable of being substituted, or B represents 2 cycloalkyl groups linked together through either a single bond or an alkylene chain; - m and n represent independently of one another 0, 1 or 2; - R₅ represents a hydrogen atom, an alkyl, cycloalkyl or C₁-₃-alkylene-cycloalkyl group; - Z₁ and Z₂ represent an alkyl radical, the group Z₁ + Z₂ + C_i + C_j representing a mono- or polycyclic structure, with one of the Z₁ or Z₂ being able to represent a single bond; - R₁ and R₂, identical or different, represent a hydrogen atom or a functional group capable of increasing hydrosolubility; - R_x and R_y forming together a cyclic peroxide including 4 to 8 links and including 1 or 2 additional oxygen atoms in the cyclic structure, possibly substituted by one or more R₃ groups; as a base or a salt to be added to an acid, as a hydrate or solvate, in racemic form, isomers and their mixtures, in addition to their diastereoisomers and their mixtures. Preparation method and use as medications with antimalarial activity.

IPC 8 full level

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