

Title (en)

HAIR DYES COMPRISING M-PHENYLENEDIAMINE DERIVATIVES AS COUPLING COMPONENTS

Title (de)

HAARFÄRBEMITTEL MIT M-PHENYLENEDIAMINDERIVATEN ALS KUPPLERKOMPONENTEN

Title (fr)

PRODUITS DE COLORATION CAPILLAIRE CONTENANT DES DERIVES DE M-PHENYLENEDIAMINE EN TANT QUE COMPOSANTS COPULANTS

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Application

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Abstract (en)

[origin: WO2004031164A1] The invention relates to agents for dyeing keratin fibers, especially human hair, containing at least one m-phenylenediamine derivative of formula (I) or one of the physiologically acceptable salts thereof as a coupling component in a cosmetically acceptable carrier, R<1> in formula (I) representing a hydrogen atom, a halogen atom, a C1 to C4 alkyl group, a C1 to C4 monohydroxyalkyl group, a C2 to C4 polyhydroxyalkyl group, a C1 to C4 aminoalkyl group, a C1 to C4 alkoxy-(C1 to C4) alkyl group, or a C1 to C4 dialkylamino-(C1 to C4) alkyl group, R<2> and R<3> independently representing a hydrogen atom, a C1 to C4 alkyl group, a C2 to C4 monohydroxyalkyl group, a C3 to C4 polyhydroxyalkyl group, a C1 to C4 alkoxy-(C1 to C4) alkyl group, or a C1 to C4 aminoalkyl group, and X representing a saturated, 5-membered, 6-membered, or 7-membered heterocycle which comprises at least one nitrogen atom and an additional optional heteroatom selected among oxygen, sulfur, or nitrogen. Said heterocycle is linked to the aromatic ring system via a nitrogen atom and can optionally carry up to two substituents that are different from hydrogen and are selected among a halogen atom, a C1 to C4 alkyl group, a C1 to C4 monohydroxyalkyl group, a C2 to C4 polyhydroxyalkyl group, a C1 to C4 aminoalkyl group, a C1 to C4 alkoxy-(C1 to C4) alkyl group, or a C1 to C4 dialkylamino-(C1 to C4) alkyl group. The inventive coupling components allow for intensive shiny nuances with very good fastness properties, particularly in combination with p-phenylenediamine derivatives, diaminopyrazole derivatives, and oligo-aminopyrimidine derivatives.

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