

Title (en)
PYRIDINE DYES AND QUINOLINE DYES USED AS MARKERS FOR BIOMOLECULES, POLYMERS, MEDICAMENTS, AND PARTICLES

Title (de)
PYRIDIN- UND CHINOLIN-FARBSTOFFE ALS MARKER FÜR BIOMOLEKÜLE, POLYMERE, ARZNEISTOFFE UND PARTIKEL

Title (fr)
COLORANTS DU TYPE PYRIDINE ET QUINOLEINE UTILISES COMME MARQUEURS POUR DES BIOMOLECULES, DES POLYMERES, DES MEDICAMENTS ET DES PARTICULES

Publication
EP 1325084 A2 20030709 (DE)

Application
EP 99963383 A 19991203

Priority

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- DE 19954934 A 19991116
- EP 9909471 W 19991203

Abstract (en)
[origin: WO0034394A2] The invention relates to water-soluble marker dyes which are derived from the pyridine heterocyclic compound. They are able to bond with biomolecules such as proteins, lipids, polynucleotides, DNA, medicaments or pharmaceutical products and with polymer particles. They are provided for dyeing, especially for fluorescence marking of these materials. The molecules or particles marked in this manner can be subsequently used in optical, especially fluorescence-optical, determination methods. Typical methods include the reaction of dye-marked antigens, antibodies, or DNA segments with the complementary species.
[origin: WO0034394A2] The invention relates to water-soluble marker dyes which are derived from the quinoline or pyridine heterocyclic compound. They are able to bond with biomolecules such as proteins, lipids, polynucleotides, DNA, medicaments or pharmaceutical products and with polymer particles. They are provided for dyeing, especially for fluorescence marking of these materials. The molecules or particles marked in this manner can be subsequently used in optical, especially fluorescence-optical, determination methods. Typical methods include the reaction of dye-marked antigens, antibodies, or DNA segments with the complementary species.

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C09B 1/00 (2006.01); **C09B 23/02** (2006.01); **G01N 33/58** (2006.01)

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