

Title (en)
PER (3,6-ANHYDRO) CYCLODEXTRINE DERIVATIVES, PRODUCTION AND USE THEREOF IN TRANSPORTING METAL ELEMENTS TO BIOLOGICAL TARGETS OR IN ORDER TO DECONTAMINATE BIOLOGICAL FLUIDS OR TARGETS

Title (de)
DERIVATE VON PER-(3,6-ANHYDRO)-CYCLODEXTRINEN, IHRE HERSTELLUNG UND VERWENDUNG FÜR DAS TRANSPORTIEREN VON METALL-ELEMENTEN ZU BIOLOGISCHEN ZIELEN ODER ZUR DEKONTAMINIERUNG BIOLOGISCHER ZIELE ODER FLÜSSIGKEITEN

Title (fr)
DERIVES DE PER (3,6-ANHYDRO) CYCLODEXTRINES, LEUR PREPARATION ET LEUR UTILISATION POUR VEHICULER DES ELEMENTS METALLIQUES VERS DES CIBLES BIOLOGIQUES OU POUR DECONTAMINER DES CIBLES OU FLUIDES BIOLOGIQUES

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Application
EP 04708796 A 20040206

Priority
• FR 2004050048 W 20040206
• FR 0301474 A 20030207

Abstract (en)
[origin: FR2850972A1] Per(3,6-anhydro)cyclodextrin derivatives are new. Per(3,6-anhydro)cyclodextrin derivatives of formula (I) or (II) are new:
[Image] R 1Q, OH, OR 3, OM, SH, SR 3, OCOR 3, NH 2, NHR 3, NR 3R 4, CONH 2, CONHR 3, CONR 3R 4, CN, COOR 3, OCH 2COOH, COOH, OSO 2R 3, N 3or R 3, at least one being Q; Q : a peptide, protein, lipid, oligonucleotide, polynucleotide, oligosaccharide, polysaccharide or biopolymer; R 3, R 4aliphatic or aromatic hydrocarbyl optionally substituted with halogen and optionally containing heteroatoms (O, S, N); M : alkali metal; R 2a bond or a spacer group; and n : 6-8. Independent claims are also included for: (1) preparing the per(3,6-anhydro)cyclodextrin derivatives; (2) metal complexes of the per(3,6-anhydro)cyclodextrin derivatives; (3) diagnostic and therapeutic compositions containing the complexes; (4) decontaminating a metal-contaminated biological medium in vitro by contacting the medium with a per(3,6-anhydro)cyclodextrin derivative as above. ACTIVITY : None given. MECHANISM OF ACTION : Radiotherapy. No biological data is given.

IPC 1-7
C08B 37/16; **C02F 1/28**; **B01J 20/24**; **A61K 31/715**

IPC 8 full level
A61P 39/00 (2006.01); **B01J 20/26** (2006.01); **B01J 45/00** (2006.01); **C08B 37/00** (2006.01); **C08B 37/16** (2006.01)

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