

Title (en)

BIFUNCTIONAL SULPHIDE-CONTAINING SULPHONAMIDE S 2?NY-TYPE CHELATE-FORMING AGENTS FOR RADIOISOTOPES

Title (de)

BIFUNKTIONELLE SULFIDHALTIGE SULFONAMID-CHELATBILDNER VOM TYP S?2 NY FÜR RADIOAKTIVE ISOTOPE

Title (fr)

AGENTS DE CHELATION AMIDOSULFONIQUES SULFURES BIFONCTIONNELS DU TYPE S 2?NY POUR ISOTOPES RADIOACTIFS

Publication

EP 0851770 A2 19980708 (DE)

Application

EP 96945141 A 19960919

Priority

- DE 9601825 W 19960919
- DE 19536785 A 19950921

Abstract (en)

[origin: DE19536785A1] The invention concerns novel compounds of general formula (I), M-L, in which M stands for a radioisotope of Tc or Re and L stands for a ligand of general formula (II) $R<1>S-CR<2>R<3>-(CR<4>R<5>)n=1,2-S-CHR<6>-CHR<7>-SO_2-NH-(CR<8>R<9>)m=1,2-CO-B$ in which $R<1>$, $R<2>$, $R<3>$, $R<4>$, $R<5>$, $R<6>$, $R<7>$, $R<8>$, and $R<9>$ can have different meanings and B stands for a further group which is suitable for the dative bond of metal ions and for the coupling to selectively concentrating compounds. The novel compounds are used for complexing technetium and rhenium and are applied in medical diagnostics and therapy.

IPC 1-7

A61K 51/04; **A61K 51/08**

IPC 8 full level

A61K 51/04 (2006.01); **A61K 51/08** (2006.01); **C07B 59/00** (2006.01); **C07C 323/67** (2006.01); **C07F 13/00** (2006.01); **C07H 21/00** (2006.01); **C07K 7/14** (2006.01); **C07K 14/575** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

A61K 51/0478 (2013.01); **A61K 51/0497** (2013.01); **A61K 51/088** (2013.01); **C07B 59/001** (2013.01); **C07B 59/008** (2013.01); **C07C 323/67** (2013.01); **C07F 13/005** (2013.01); **C07H 21/00** (2013.01); **C07K 7/14** (2013.01); **C07K 14/57536** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)

See references of WO 9712636A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19536785 A1 19970327; AU 1436197 A 19970428; CA 2232315 A1 19970410; EP 0851770 A2 19980708; WO 9712636 A2 19970410; WO 9712636 A3 19970912

DOCDB simple family (application)

DE 19536785 A 19950921; AU 1436197 A 19960919; CA 2232315 A 19960919; DE 9601825 W 19960919; EP 96945141 A 19960919