

Title (en)  
(RADIO) LABELLED BIOTIN DERIVATIVES

Title (de)  
(RADIO)MARKIERTE BIOTIN-DERIVATE

Title (fr)  
COMPOSES DE BIOTINE (RADIO) MARQUES

Publication  
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Application  
**EP 96933801 A 19960917**

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• US 9614883 W 19960917

Abstract (en)  
[origin: WO9710854A1] The invention relates to a labelled biotin compound, wherein said biotin compound is represented by general formula (I) wherein: n is 1 or 2, R is a chelating group for chelating a metal atom, and Sp is a spacing group having at least 4 atoms spacing NH from R; and wherein said biotin compound is labelled with a metal atom selected from (a) the group consisting of the radioactive isotopes <99m>Tc, <203>Pb, <66>Ga, <67>Ga, <68>Ga, <72>As, <111>In, <113m>In, <114m>In, <97>Ru, <62>Cu, <64>Cu, <52>Fe, <52m>Mn, <51>Cr, <186>Re, <188>Re, <77>As, <90>Y, <67>Cu, <169>Er, <117m>Sn, <121>Sn, <127>Te, <142>Pr, <143>Pr, <198>Au, <199>Au, <149>Tb, <161>Tb, <109>Pd, <165>Dy, <149>Pm, <151>Pm, <153>Sm, <157>Gd, <166>Ho, <172>Tm, <169>Yb, <175>Yb, <177>Lu, <105>Rh and <111>Ag or (b) the group consisting of the paramagnetic metal atoms Cr, Mn, Fe, Co, Ni, Cu, Pr, Nd, Sm, Yb, Gd, Tb, Dy, Ho and Er; said metal atom being attached to the biotin compound by means of said chelating group. The invention further relates to a pharmaceutical composition comprising said labelled biotin compound, to the use of said composition for diagnosis and therapy, and to a kit for preparing a radiopharmaceutical composition.

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