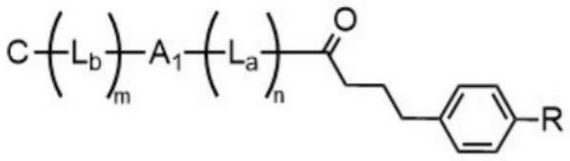
CLAIMS

1. A compound represented by the following general formula (1S):



(1S)

wherein, in the formula (1S), A_1 represents a chelating part capable of coordinating with a radioactive metal ion;

C represents an atomic group containing a PSMA molecule-binding part;

L_a represents a linker structure, with the provision that L_a does not contain a polyethylene glycol group;

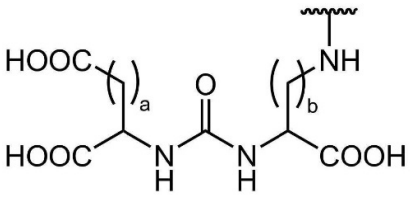
L_b represents a linker structure that is identical to or different from L_a;

"m" represents 0 or 1;

"n" is 1; and

R represents a hydrogen atom, a halogen atom, or an alkyl group having 1 or more and 5 or less carbon atoms.

2. The compound according to claim 1, wherein, in the formula (1S), C represents the following formula (C1):



(C1)

wherein, in the formula (C1), the wavy line part represents a part bonding to A_1 or L_b in the formula (1S); and

"a" and "b" each independently represent an integer of 1 or more and 7 or less.

3. The compound according to claim 1 or 2, wherein, in the formula (1S), A_1 has a cyclic structure, the cyclic structure has two or more nitrogen atoms, and each of the nitrogen atoms is connected with one another through two or more adjacent carbon atoms; or A_1 has an open

chain structure, the open chain structure has two or more nitrogen atoms, and each of the nitrogen atoms is connected with one another through two or more adjacent carbon atoms,

A_1 has a nitrogen-bonding atomic group directly bonded with a nitrogen atom constituting the cyclic structure or the open chain structure,

the nitrogen-bonding atomic group contain one or more groups selected from the group consisting of a carboxy group, a phosphate group, an amide group, a benzene ring, and a pyridine ring, and

when L_a is bonded to the nitrogen-bonding atomic group, C is bonded to a nitrogen-bonding atomic group other than the atomic group to which L_a is bonded.

4. The compound according to any one of claims 1 to 3, wherein, in the formula (1S), A_1 is DOTA, HOPO, Octapa, Macropa, or a derivative thereof.

5. A radiolabeled compound comprising: a radioactive metal ion and the compound according to any one of claims 1 to 4 which is coordinated with the radioactive metal ion.

6. The radiolabeled compound according to claim 5, wherein the radioactive metal is ^{68}Ga, ^{64}Cu, ^{67}Cu, ^{89}Zr, ^{90}Y, ^{99m}Tc, ^{111}In, ^{177}Lu, ^{186}Re, ^{188}Re, or ^{225}Ac.

7. A radioactive pharmaceutical composition comprising the radiolabeled compound according to claim 5 or 6, as an active ingredient.

8. A method for manufacturing a radiolabeled compound, the method comprising: coordinating the compound according to any one of claims 1 to 4 to a radioactive metal ion to obtain a radiolabeled compound.