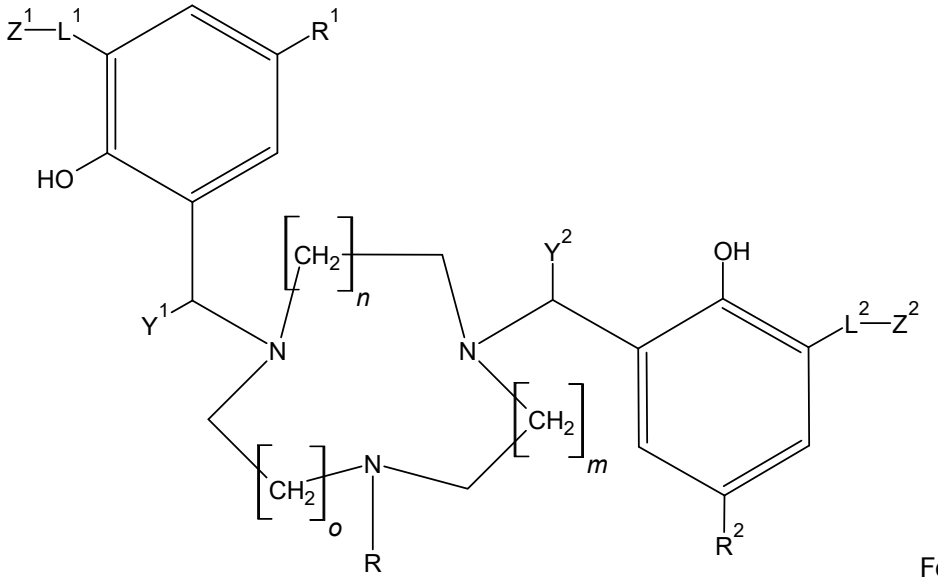
CLAIMS

1. A compound of Formula (I):



Formula (I)

wherein: *n*, *m*, and *o* are integer numbers independently selected between 1 and 2;

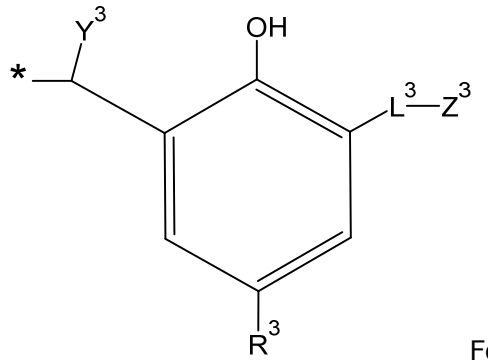
Y^1 and Y^2 are independently selected from the group consisting of hydrogen and C_1-C_4-alkyl;

R^1 and R^2 are independently selected from the group consisting of hydrogen and C_1-C_4-alkyl;

L^1 and L^2 are independently selected from the group consisting of C_1-C_4-alkylaminyl C_1-C_4-alkylamidyl, and and C_1-C_4-alkylether;

Z^1 and Z^2 are independently selected from the group consisting of hydrogen and a C_1-C_6-alkyl, said C_1-C_6-alkyl being optionally substituted by one or more groups selected from the group consisting of hydroxyl (-OH), carboxyl (-COOH), and phosphonate ($-PO_3H_2$);

R is selected from the group consisting of hydrogen, C_1-C_4 alkyl optionally substituted by an aryl, and the moiety of Formula (IA):



Formula (IA)

wherein: the asterisk (*) indicates the point of attachment of said moiety of Formula (IA) to the nitrogen bearing the R group;
Y^3 has the same meaning provided above for Y^1 and Y^2;
R^3 has the same meaning provided above for R^1 and R^2;
L^3 has the same meaning provided above for L^1 and L^2; and
Z^3 has the same meaning provided above for Z^1 and Z^2;

or an ion, or a stereoisomer, or a tautomer, or a hydrate, or a solvate, or a pharmaceutically acceptable salt thereof, or a mixture of the same.

2. The compound according to claim **1**, wherein Y^1 and Y^2, and Y^3 if present, are independently selected from the group consisting of hydrogen and a C_1-C_3-alkyl.

3. The compound according to claim **2**, wherein Y^1 and Y^2, and Y^3 if present, are hydrogen.

4. The compound according to any one of claims **1** to **3**, wherein R^1, R^2, and R^3 if present, are independently selected from the group consisting of hydrogen and C_1-C_3-alkyl.

5. The compound according to claim **4**, wherein R^1, R^2, and R^3 if present, are methyl (-CH_3).

6. The compound according to any one of claims **1** to **5**, wherein L^1, L^2, and L^3 if present, are independently selected from the group consisting of C_1-C_3-alkylaminyl, C_1-C_3-alkylamidyl, and C_1-C_3-alkylether; preferably of C_1-C_3-alkylaminyl, and C_1-C_3-alkylamidyl.

7. The compound according to claim **6**, wherein L^1, L^2, and L^3 if present, are independently selected from the group consisting of C_1-alkylaminyl, C_1-alkylamidyl, and C_1-alkylether; preferably of C_1-alkylaminyl, and C_1-alkylamidyl.

8. The compound according to claim **7**, wherein L^1, L^2, and L^3 if present, are independently selected from the group consisting of *-CH_2-NH-·, *-C(O)-NH-·, *-NHC(O)-·, and *-CH_2-O-·, with the asterisk (*) representing the phenolic moiety and the middle dot (·) representing the Z^1, Z^2, or Z^3 group if present.

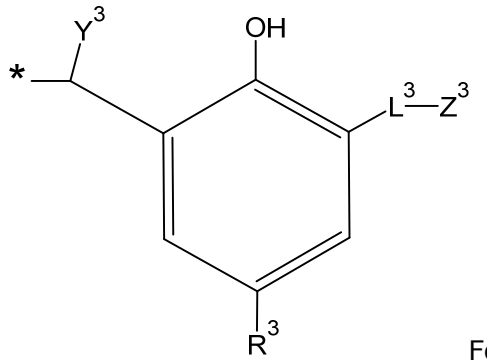
9. The compound according to any one of claims **1** to **8**, wherein Z^1, Z^2, and Z^3 if present, are independently selected from the group consisting of hydrogen, C_4-C_6-alkyl substituted by two or more hydroxyl (-OH) groups, and C_1-C_3-alkyl substituted by at least one group selected from the group consisting of hydroxyl (-OH), carboxyl (-COOH), and phosphonate (-PO_3H_2).

10. The compound according to any one of claims **1** to **9**, wherein Z^1 and Z^2, and Z^3 if present, are independently selected from the group consisting of hydrogen and a C_1-C_4-alkyl, said C_1-C_4-alkyl being optionally substituted by one or more groups selected from the group consisting of hydroxyl (-OH), carboxyl (-COOH), and phosphonate ($-PO_3H_2$).

11. The compound according to any one of claims **1** to **10**, wherein R is a C_1-C_3-alkyl or a C_1-C_3-alkyl substituted by an aryl.

12. The compound according to claim **11**, wherein R is a C_1-alkyl or a C_1-alkyl substituted by an aryl.

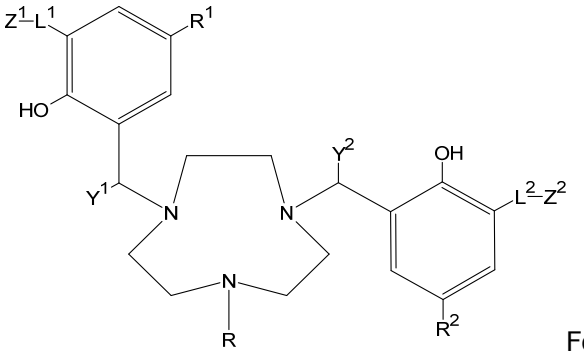
13. The compound according to any one of claims **1** to **10**, wherein R is selected from the group consisting of hydrogen, C_1-alkyl, C_1-alkyl substituted by an aryl, and the moiety of Formula (IA),



Formula (IA)

wherein Y^3, R^3, L^3, and Z^3 have the same meanings provided above for, respectively, Y^1, R^1, L^1, and Z^1 as defined in any one of claims **1** to **10**.

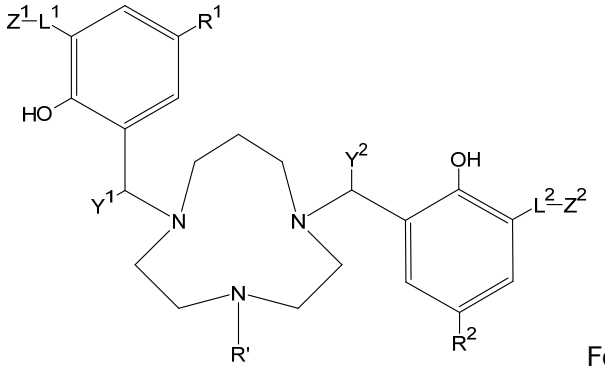
14. The compound according to any one of claims **1** to **13**, wherein *n*, *m*, and *o* are 1, whereby the compound has the following formula (II)



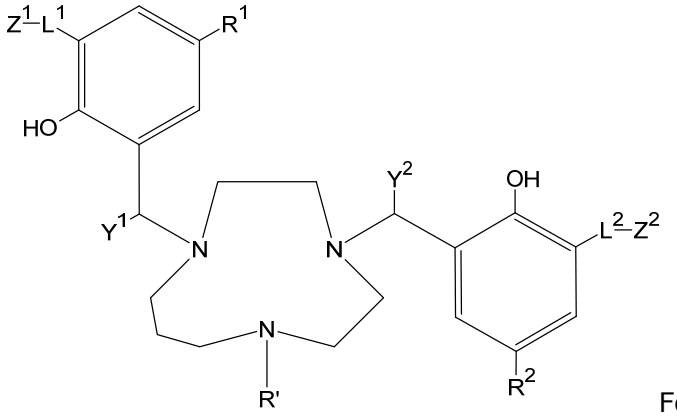
Formula (II)

wherein R, R^1, R^2, Y^1, Y^2, L^1, L^2, Z^1, and Z^2 are as above defined for any one of claims **1** to **13**.

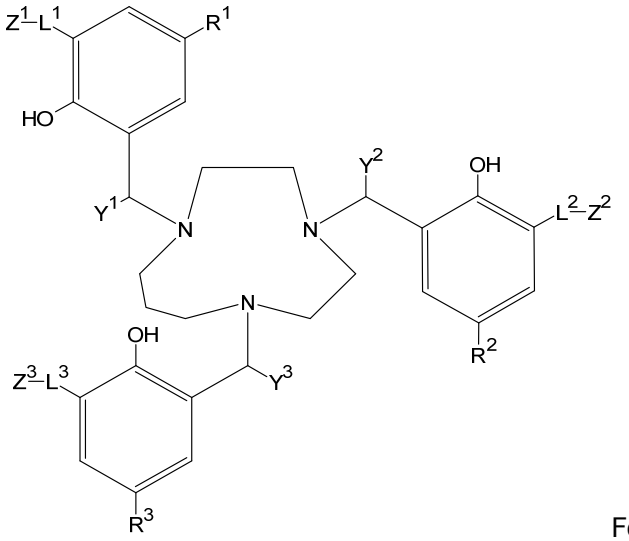
15. The compound according to any one of claims **1** to **13**, wherein only one between *n*, *m*, and *o* is 2, and the other two are 1, whereby the compound has one of the formulae (IIIA), (IIIB) or (IIIC)



Formula (IIIA)



Formula (IIIB)

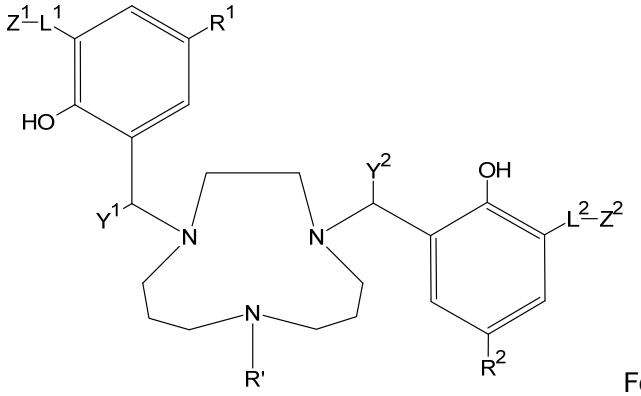


Formula (IIIC)

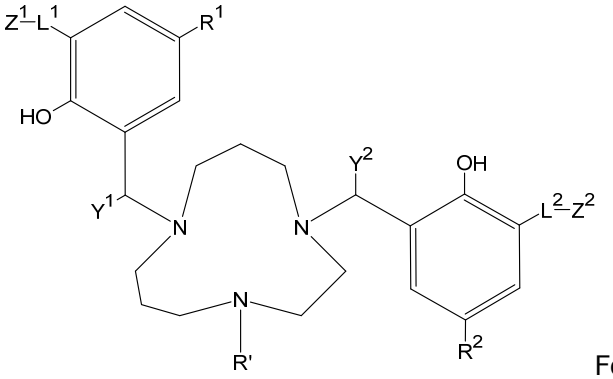
wherein, for formulae (IIIA), (IIIB), and (IIIC), R^1, R^2, R^3, Y^1, Y^2, Y^3, L^1, L^2, L^3, Z^1, Z^2, and Z^3 are as above defined for any one of claims **1** to **13**, and R' is hydrogen or C_1-C_4-alkyl optionally substituted by an aryl.

16. The compound according to claim **15**, wherein R' is hydrogen or C_1-alkyl optionally substituted by an aryl.

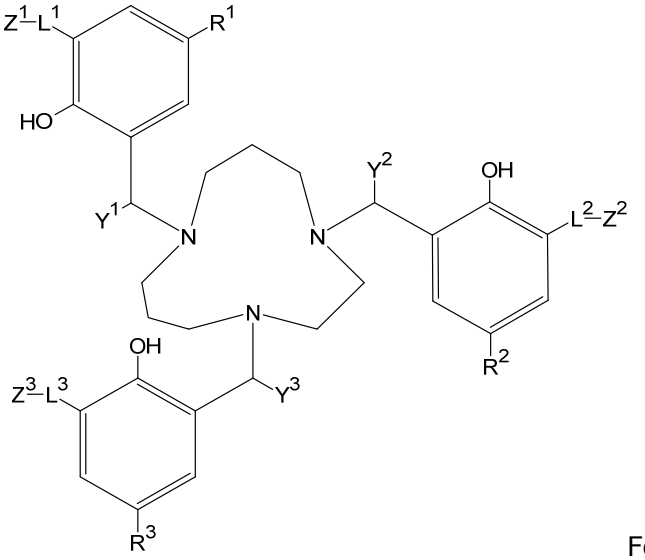
17. The compound according to any one of claims **1** to **13**, wherein only one between *n*, *m*, and *o* is 1, and the other two are 2, whereby the compound has one of the formulae (IVA), (IVB), or (IVC)



Formula (IVA)



Formula (IVB)

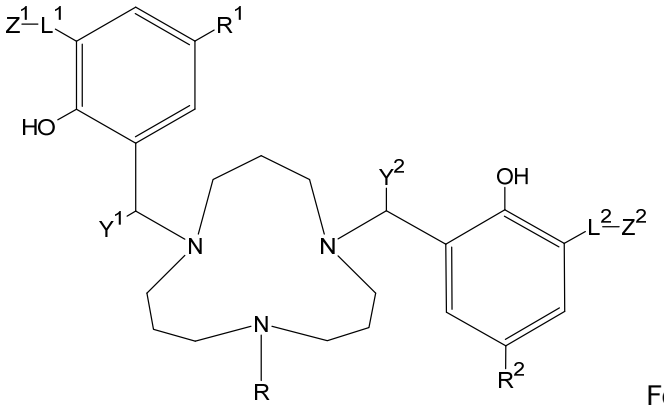


Formula (IVC)

wherein, for formulae (IVA), (IVB), and (IVC), R^1, R^2, R^3, Y^1, Y^2, Y^3, L^1, L^2, L^3, Z^1, Z^2, and Z^3 are as above defined for any one of claims **1** to **13**, and R' is hydrogen or C_1-C_4-alkyl optionally substituted by an aryl.

18. The compound according to claim **19**, wherein R' is hydrogen or C_1-alkyl optionally substituted by an aryl.

19. The compound according to any one of claims **1** to **13**, wherein *n*, *m*, and *o* are 2, whereby the compound has the following formula (V)



Formula (V)

wherein R, R^1, R^2, Y^1, Y^2, L^1, L^2, Z^1, and Z^2 are as above defined for any one of claims **1** to **13**.

20. The compound according to anyone of claims **1** to **19**, wherein the compound is selected from the group consisting of: 3,3',3''-[1,4,7-triazonane-1,4,7-triyltris(methylene)]tris[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2',2''-{1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(propane-1,3-diol); 3,3'-[1,4,7-triazonane-1,4-diylbis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2'-{1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 3,3',3''-[1,4,7-triazonane-1,4,7-triyltris(methylene)]tris(2-hydroxy-5-methylbenzamide);3,3'-[1,4,7-triazonane-1,4-diylbis(methylene)]bis(2-hydroxy-5-methylbenzamide); 2,2',2''-[1,4,7-triazonane-1,4,7-triyltris(methylene)]tris[6-(aminomethyl)-4-methylphenol]; 2,2'-[1,4,7-triazonane-1,4-diylbis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; {1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}tris(phosphonic acid); {1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}tris(phosphonic acid); {1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); 3,3',3''-[1,4,7-triazonane-1,4,7-triyltris(methylene)]tris[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1',1''-{1,4,7-triazonane-1,4,7-triyltris[methylene(2-

hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(ethane-1,2-diol); 3,3'-[1,4,7-triazonane-1,4-diylbis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1'-{1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); *N*,*N*',*N*''-{1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}tris(2,3-dihydroxypropanamide); *N*,*N*'-{1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*',*N*''-{1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}tris[3-hydroxy-2-(hydroxymethyl)propanamide]; *N*,*N*'-{1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; {1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}tris(phosphonic acid); {1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); 3,3',3''-[1,4,7-triazecane-1,4,7-triyltris(methylene)]tris[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2',2''-{1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(propane-1,3-diol); 3,3'-[1,4,7-triazecane-1,7-diylbis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 3,3'-[1,4,7-triazecane-1,4-diylbis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2'-{1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 2,2'-{1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 3,3',3''-[1,4,7-triazecane-1,4,7-triyltris(methylene)]tris(2-hydroxy-5-methylbenzamide); 3,3'-[1,4,7-triazecane-1,7-diylbis(methylene)]bis(2-hydroxy-5-methylbenzamide); 3,3'-[1,4,7-triazecane-1,4-diylbis(methylene)]bis(2-hydroxy-5-methylbenzamide); 2,2',2''-[1,4,7-triazecane-1,4,7-triyltris(methylene)]tris[6-(aminomethyl)-4-methylphenol]; 2,2'-[1,4,7-triazecane-1,7-diylbis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; 2,2'-[1,4,7-triazecane-1,4-diylbis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; {1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}tris(phosphonic acid); {1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-

phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}tris(phosphonic acid); {1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); {1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); 3,3',3''-[1,4,7-triazecane-1,4,7-triyltris(methylene)]tris[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1',1''-{1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(ethane-1,2-diol); 3,3'-[1,4,7-triazecane-1,7-diylbis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 3,3'-[1,4,7-triazecane-1,4-diylbis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1'-{1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); 1,1'-{1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); *N*,*N*',*N*''-{1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}tris(2,3-dihydroxypropanamide); *N*,*N*'-{1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*'-{1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*',*N*''-{1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}tris[3-hydroxy-2-(hydroxymethyl)propanamide]; *N*,*N*'-{1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; *N*,*N*'-{1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; {1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}tris(phosphonic acid); {1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); {1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); 3,3',3''-[1,4,8-triazacycloundecane-1,4,8-triyltris(methylene)]tris[*N*-(1,3-

dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2',2''-{1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(propane-1,3-diol); 3,3'-[1,4,8-triazacycloundecane-1,8-diylbis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 3,3'-[1,4,8-triazacycloundecane-1,4-diylbis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2'-{1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 2,2'-{1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 3,3',3''-[1,4,8-triazacycloundecane-1,4,8-triyltris(methylene)]tris(2-hydroxy-5-methylbenzamide); 3,3'-[1,4,8-triazacycloundecane-1,8-diylbis(methylene)]bis(2-hydroxy-5-methylbenzamide); 3,3'-[1,4,8-triazacycloundecane-1,4-diylbis(methylene)]bis(2-hydroxy-5-methylbenzamide); 2,2',2''-[1,4,8-triazacycloundecane-1,4,8-triyltris(methylene)]tris[6-(aminomethyl)-4-methylphenol]; 2,2'-[1,4,8-triazacycloundecane-1,8-diylbis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; 2,2'-[1,4,8-triazacycloundecane-1,4-diylbis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; {1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}tris(phosphonic acid); {1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}tris(phosphonic acid); {1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); {1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); (3,3',3''-[1,4,8-triazacycloundecane-1,4,8-triyltris(methylene)]tris[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1',1''-{1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(ethane-1,2-diol); (3,3'-[1,4,8-triazacycloundecane-1,8-diylbis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 3,3'-[1,4,8-triazacycloundecane-1,4-

diylbis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1'-{1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); 1,1'-{1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); *N*,*N*',*N*''-{1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}tris(2,3-dihydroxypropanamide); *N*,*N*'-{1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*'-{1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*',*N*''-{1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}tris[3-hydroxy-2-(hydroxymethyl)propanamide]; *N*,*N*'-{1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; *N*,*N*'-{1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; {1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}tris(phosphonic acid); {1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); {1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); 3,3',3''-[1,5,9-triazacyclododecane-1,5,9-triyltris(methylene)]tris[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2',2''-{1,5,9-triazacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(propane-1,3-diol); 3,3'-[1,5,9-triazacyclododecane-1,5-diylbis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2'-{1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 3,3',3''-[1,5,9-triazacyclododecane-1,5,9-triyltris(methylene)]tris(2-hydroxy-5-methylbenzamide); 3,3'-[1,5,9-triazacyclododecane-1,5-diylbis(methylene)]bis(2-hydroxy-5-methylbenzamide); 2,2',2''-[1,5,9-triazacyclododecane-1,5,9-triyltris(methylene)]tris[6-(aminomethyl)-4-methylphenol]; 2,2'-[1,5,9-triazacyclododecane-1,5-diylbis(methylene)]bis[6-

(aminomethyl)-4-methylphenol]; {1,5,9-triazacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}tris(phosphonic acid); {1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {1,5,9-triazacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}tris(phosphonic acid); {1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); 3,3',3''-[1,5,9-triazacyclododecane-1,5,9-triyltris(methylene)]tris[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1',1''-{1,5,9-triazacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(ethane-1,2-diol); 3,3'-[1,5,9-triazacyclododecane-1,5-diylbis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1'-{1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); *N*,*N*',*N*''-{1,5,9-triazacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}tris(2,3-dihydroxypropanamide); *N*,*N*'-{1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*',*N*''-{1,5,9-trizacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}tris[3-hydroxy-2-(hydroxymethyl)propanamide]; *N*,*N*'-{1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; {1,5,9-triazacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}tris(phosphonic acid); {1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); 3,3'-[(7-benzyl-1,4,7-triazonane-1,4-diyl)bis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2'-{(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 3,3'-[(7-benzyl-1,4,7-triazonane-1,4-diyl)bis(methylene)]bis(2-hydroxy-5-methylbenzamide); 2,2'-[(7-benzyl-1,4,7-triazonane-1,4-diyl)bis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; {(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-

phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); 3,3'-[(7-benzyl-1,4,7-triazonane-1,4-diyl)bis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1'-{(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); *N*,*N*'-{(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*'-{(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; {(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); 3,3'-[(4-benzyl-1,4,7-triazecane-1,7-diyl)bis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 3,3'-[(7-benzyl-1,4,7-triazecane-1,4-diyl)bis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2'-{(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 2,2'-{(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 3,3'-[(4-benzyl-1,4,7-triazecane-1,7-diyl)bis(methylene)]bis(2-hydroxy-5-methylbenzamide); 3,3'-[(7-benzyl-1,4,7-triazecane-1,4-diyl)bis(methylene)]bis(2-hydroxy-5-methylbenzamide); 2,2'-[(4-benzyl-1,4,7-triazecane-1,7-diyl)bis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; 2,2'-[(7-benzyl-1,4,7-triazecane-1,4-diyl)bis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; {(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); {(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); 3,3'-[(4-benzyl-1,4,7-triazecane-1,7-diyl)bis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 3,3'-[(7-benzyl-1,4,7-triazecane-1,4-diyl)bis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1'-{(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-

3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); 1,1'-{(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); *N*,*N*'-{(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*'-{(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*'-{(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; *N*,*N*'-{(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; {(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); {(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); 3,3'-[(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl) bis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 3,3'-[(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl) bis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2'-{(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 2,2'-{(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 3,3'-[(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis(methylene)]bis(2-hydroxy-5-methylbenzamide); 3,3'-[(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis(methylene)]bis(2-hydroxy-5-methylbenzamide); 2,2'-[(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; 2,2'-[(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; {(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); {(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); 3,3'-[(4-

benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 3,3'-[(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1'-{(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); 1,1'-{(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); *N*,*N*'-{(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*'-{(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*'-{(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; *N*,*N*'-{(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; {(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); {(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); 3,3'-[(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis(methylene)]bis[*N*-(1,3-dihydroxypropan-2-yl)-2-hydroxy-5-methylbenzamide]; 2,2'-{(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(propane-1,3-diol); 3,3'-[(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis(methylene)]bis(2-hydroxy-5-methylbenzamide); 2,2'-[(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis(methylene)]bis[6-(aminomethyl)-4-methylphenol]; {(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)carbonylazanediylmethylene]}bis(phosphonic acid); {(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediylmethylene]}bis(phosphonic acid); 3,3'-[(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis(methylene)]bis[*N*-(1,2-dihydroxyethyl)-2-hydroxy-5-methylbenzamide]; 1,1'-{(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(ethane-1,2-diol); *N*,*N*'-{(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-

phenylene)]}bis(2,3-dihydroxypropanamide); *N*,*N*'-{(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}bis[3-hydroxy-2-(hydroxymethyl)propanamide]; {(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)azanediyl(2-oxoethane-2,1-diyl)]}bis(phosphonic acid); *N*,*N*',*N*''-{1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)]}triacetamide); 3-{[4,7-bis({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,7-triazonan-1-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6',6''-{1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(hexane-1,2,3,4,5-pentol); 2-hydroxy-3-{[4-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,7-triazonan-1-yl]methyl}-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6'-{1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 3-{[4,7-bis({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,7-triazecan-1-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6',6''-{1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(hexane-1,2,3,4,5-pentol); 2-hydroxy-3-{[7-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,7-triazecan-1-yl]methyl}-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 2-hydroxy-3-{[4-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,7-triazecan-1-yl]methyl}-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 3-{[1,4-bis({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,8-triazacycloundecan-8-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6',6''-{1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(hexane-1,2,3,4,5-pentol); 2-hydroxy-3-{[1-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,8-triazacycloundecan-8-yl]methyl}-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 2-hydroxy-3-{[4-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,8-triazacycloundecan-1-

yl]methyl}-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6'-{1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 6,6'-{1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 3-{[5,9-bis({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,5,9-triazacyclododecan-1-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6',6''-{1,5,9-triazacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}tri(hexane-1,2,3,4,5-pentol); 2-hydroxy-3-{[5-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,5,9-triazacyclododecan-1-yl]methyl}-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6'-{1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 3-{[4-benzyl-7-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,7-triazonan-1-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6'-{(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 3-{[4-benzyl-7-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,7-triazecan-1-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 3-{[7-benzyl-4-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,7-triazecan-1-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6'-{(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 6,6'-{(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 3-{[1-benzyl-4-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,8-triazacycloundecan-8-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 3-{[8-benzyl-4-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,4,8-triazacycloundecan-1-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide;

6,6'-{(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 6,6'-{(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 3-{[5-benzyl-9-({2-hydroxy-5-methyl-3-[(2,3,4,5,6-pentahydroxyhexyl)carbamoyl]phenyl}methyl)-1,5,9-triazacyclododecan-1-yl]methyl}-2-hydroxy-5-methyl-N-(2,3,4,5,6-pentahydroxyhexyl)benzamide; 6,6'-{(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 6,6'-{1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 6,6'-{1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneazanediyl]}di(hexane-1,2,3,4,5-pentol); 2,2',2''-{1,4,7-triazonane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}tri(propane-1,3-diol); 2,2'-{1,4,7-triazonane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2',2''-{1,4,7-triazecane-1,4,7-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}tri(propane-1,3-diol); 2,2'-{1,4,7-triazecane-1,7-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2'-{1,4,7-triazecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2',2''-{1,4,8-triazacycloundecane-1,4,8-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}tri(propane-1,3-diol); 2,2'-{1,4,8-triazacycloundecane-1,8-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2'-{1,4,8-triazacycloundecane-1,4-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2',2''-{1,5,9-triazacyclododecane-1,5,9-triyltris[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}tri(propane-1,3-diol); 2,2'-{1,5,9-triazacyclododecane-1,5-diylbis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2'-{(7-benzyl-1,4,7-triazonane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2'-{(4-benzyl-1,4,7-triazecane-1,7-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-

phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2'-{(7-benzyl-1,4,7-triazecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2'-{(4-benzyl-1,4,8-triazacycloundecane-1,8-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); 2,2'-{(8-benzyl-1,4,8-triazacycloundecane-1,4-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol); and 2,2'-{(9-benzyl-1,5,9-triazacyclododecane-1,5-diyl)bis[methylene(2-hydroxy-5-methyl-3,1-phenylene)methyleneoxy]}di(propane-1,3-diol).

21. A complex of a compound according to any one of claims **1** to **20** with Fe^{3+}, or a physiologically acceptable salt of said complex.

22. Use of the complex according to claim **21** for the manufacture of a contrast agent.

23. The use according to claim **22**, wherein the contrast agent is for magnetic resonance imaging (MRI).

24. A pharmaceutical composition comprising a complex as defined in claim **21** and at least one pharmaceutically acceptable excipient.

25. Process for preparing the compound as defined in any one of claims **1** to **20** comprising the following steps:

a) providing a phenol substituted at least in its *orto* positions (i) with a C_1-C_5-alkyl-bonded to a leaving group; and (ii) with a L-Z group, or a substituent group selected from the group consisting of C_1-C_4-alkyl-aldehyde, C_1-C_4-alkyl-ester, and C_1-C_4-alkyl-carboxyl;

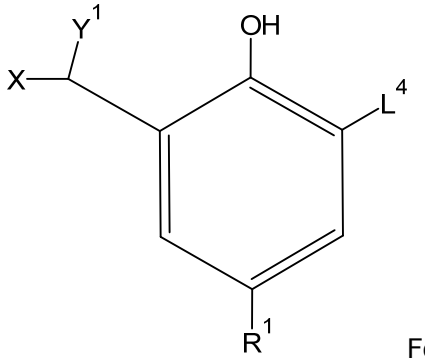
b) providing a macrocycle selected from the group consisting of triazacyclononane, triazacyclodecane, triazacycloundecane, and triazacyclododecane, optionally suitably protected with one or more protecting groups on one or more of the nitrogen atoms thereof, and/or optionally bearing on one of its nitrogen atoms a C_1-C_4 alkyl group optionally substituted by an aryl;

c) reacting the phenol provided in step a) with the macrocycle provided in step b), to obtain the compound as defined in any one of claims **1** to **20**, or an intermediate thereof; and

d) converting the intermediate of step c) to the compound as defined in any one of claims **1** to **20**.

26. The process according to claim **25**, wherein:

- the phenol provided in step a) has the following formula (VI):



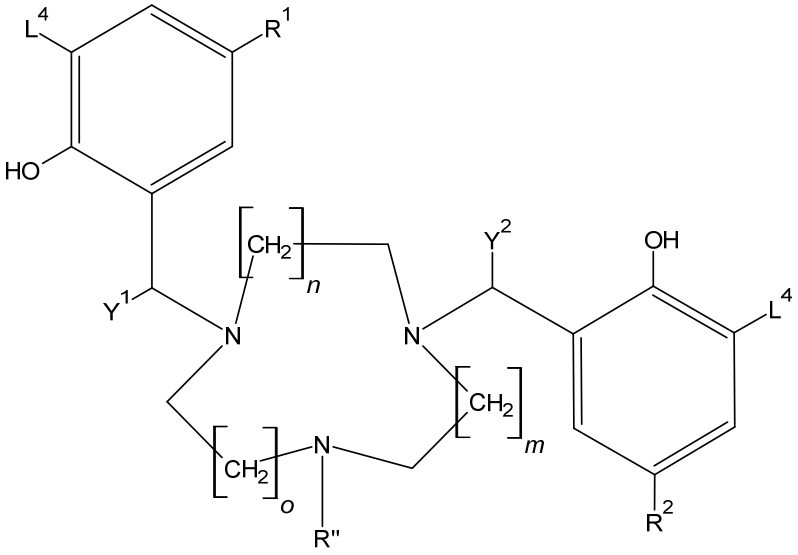
Formula (VI)

wherein Y^1 and R^1 have the same meaning provided for formula (I) as defined in any one of claims **1** to **20**;

X is a leaving group, and

L^4 is a group selected from the group consisting of C_1-C_4-alkyl-aldehyde, C_1-C_4-alkyl-ester, and C_1-C_4-alkyl-carboxyl;

- the intermediate obtained in step c) has the following formula (VII):

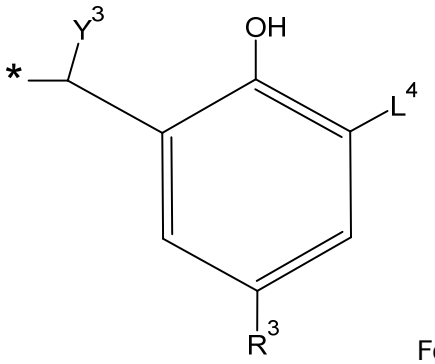


Formula (VII)

wherein R^1, R^2, Y^1, Y^2, m, n and o have the same meaning provided for formula (I) as defined in any one of claims **1** to **20**,

L^4 is a group selected from the group consisting of C_1-C_4-alkyl-aldehyde, C_1-C_4-alkyl-ester, and C_1-C_4-alkyl-carboxyl; and

R'' is selected from the group consisting of hydrogen, C_1-C_4 alkyl optionally substituted by an aryl, and the moiety of Formula (VIIA):



Formula (VIIA)

wherein: the asterisk (*) indicates the point of attachment of said moiety of formula (VIIA) to the nitrogen bearing the R' group;

Y^3 has the same meaning provided above for Y^1 and Y^2;

R^3 has the same meaning provided above for R^1 and R^2; and

L^4 is a group selected from the group consisting of of C_1-C_4-alkyl-aldehyde, C_1-C_4-alkyl-ester, and C_1-C_4-alkyl-carboxyl; and

- step d) provides for converting the L^4 moieties to the groups L^1-Z^1, L^2-Z^2, and L^3-Z^3 (if present).

27. Process for preparing the compound as defined in any one of claims **1** to **20** comprising the following steps:

a) providing a phenol substituted at least in its *orto* positions (i) with a C_1-C_5-alkyl-bonded to a leaving group; and (ii) with a L-Z group, or a substituent group selected from the group consisting of C_1-C_4-alkyl-aldehyde, C_1-C_4-alkyl-ester, and C_1-C_4-alkyl-carboxyl;

b') providing an orthoamide derivative of a macrocycle selected from the group consisting of triazacyclononane, triazacyclodecane, triazacycloundecane, and triazacyclododecane;

c') reacting one or two phenols provided in step a) with the orthoamide derivative, to obtain an orthoamide derivative coupled with one or two phenols provided in step a);

d') hydrolysing the orthoamide derivative obtained in step c') to obtain a macrocycle selected from the group consisting of triazacyclononane, triazacyclodecane, triazacycloundecane, and triazacyclododecane coupled

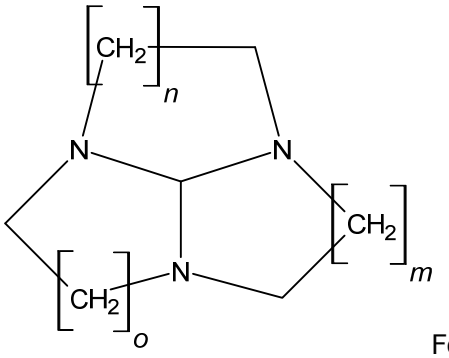
with one or two phenols provided in step a) and with a formyl (-C(O)H) group;

e') optionally reacting a further phenol provided in step a) with the macrocycle obtained in step d'), to obtain a macrocycle selected from the group consisting of triazacyclononane, triazacyclodecane, triazacycloundecane, and triazacyclododecane coupled with two phenols provided in step a) and with a formyl (-C(O)H) group;

f') hydrolysing the macrocycle obtained in step d') or e') and optionally convert the possible C_1-C_4-alkyl-aldehyde, C_1-C_4-alkyl-ester, or C_1-C_4-alkyl-carboxyl, wherein the hydrolysis and the optional conversion of this step f') are carried out in any order, to obtain the compound according to any one of claims **1** to **20**; and

g') optionally reacting a further phenol provided in step a) with the macrocycle obtained in step f'), and optionally convert the possible C_1-C_4-alkyl-aldehyde, C_1-C_4-alkyl-ester, or C_1-C_4-alkyl-carboxyl, to obtain the compound according to any one of claims **1** to **20**.

28. The process according to claim **27**, wherein the orthoamide derivative provided in step b') has the following formula (VIII):



Formula (VIII)

wherein m, n, and o have the same meaning provided for formula (I) as defined in any one of claims **1** to **20**.

29. Process for preparing the complex as defined in claim **21**, comprising carrying out the following step:

e) reacting the compound obtained in step c) or step d) as defined in claim **25** or **26**, or in step f') or step g') as defined in claim **27** or **28**, with a Fe(III) salt, to obtain the Fe(III) complex.