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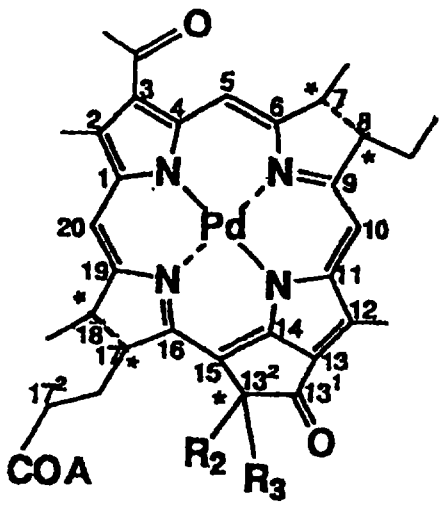
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(54) Title: PALLADIUM-SUBSTITUTED BACTERIOCHLOROPHYLL DERIVATIVES AND USE THEREOF

(57) Abstract

Palladium-substituted Bacteriochlorophyll derivatives of formula (I), wherein A represents OH, OR_1, $-O-(CH_2)_n-Y$, $-S-(CH_2)_n-Y$, $-NH-(CH_2)_n-Y$, $-O-(CH_2)_2-NH_2$, $-O-(CH_2)_2-OH$, $-NH-(CH_2)_n-{}^+N$ o, X^-, $-NH-(CH_2)_2-NH$=BOC or $-N-(CH_2-CH=CH_2)_2$; wherein R_1 represents Na^+, K^+, $(Ca^{2+})_{0,5}$, $(Mg^{2+})_{0,5}$, Li^+, NH_4^+, $^+NH_3-C(CH_2OH)_3$, $^+NH_3-CH_2-(CHOH)_4-CH_2OH$, $^+NH_2(CH_3)-CH_2-(CHOH)_4-CH_2OH$ or $^+N(C_{n'}H_{2n'+1})_4$; R_2 represents H, OH or $COOR_4$, wherein R_4 is C_1-C_{12} alkyl or C_3-C_{12} cycloalkyl; R_3 represents H, OH or C_1-C_{12} alkyl or alkoxy; n is 1, 2, 3, 4, 5 or 6, Y is $-NR'_1R'_2$ or $-{}^+NR'_1R'_2R'_3$, X^- wherein R'_1, R'_2 and R'_3 independently from each other represent $-CH_3$ or $-C_2H_5$; X is F, Cl, Br or I, n' is 1, 2, 3 or 4 and their oxidized forms, are useful in the field of photodynamic therapy (PDT).



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