

Title (en)
SPACER PEPTIDES AND MEMBRANES CONTAINING SAME

Title (de)
SPACERPEPTIDE UND DIESE ENTHALTENDE MEMBRANEN

Title (fr)
PEPTIDES ESPACEURS ET MEMBRANES CONTENANT CES PEPTIDES

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Application
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Abstract (en)

[origin: WO9920649A1] Synthetic cell membranes which are bonded to a noble metal support and which comprise novel spacer peptides of formula (I) are disclosed. These membranes can incorporate membrane proteins and can be used in biosensing devices. Peptides or peptide-analogous compounds of the formula (I) are disclosed, X-L<N>-A<N>-B-A<C>-L<C>-Y in which preferred embodiments have the following meaning: a) group X contains at least one sulphur atom, e.g. group X represents a Lip group or a group like HS-(CH₂)₂-CO-; groups A<N> and L<N> both represent single bonds; group A<C> represents Pro Xaa<1> Xaa<1>; group L<C> represents a single bond or an oligomer (number of monomers between 2 and 4) of a medium chain omega -amino acid like 6-aminocaproic acid; group Y represents Lys(Myristoyl)-Lys(Myristoyl), where Myristoyl represents a myristoyl residue bound to the side chain amino group of Lys; or b) group X represents Myristoyl-Lys(Myristoyl), where Myristoyl represents myristoyl residues bound to the amino groups of Lys; group L<N> represents a single bond or an oligomer (number of monomers between 2 and 4) of a medium chain omega -amino acid like 6-aminocaproic acid; groups A<N> represents Pro Xaa<1> Xaa<1>; groups A<C> and L<C> both represent single bonds; group Y contains at least one sulphur atom, e.g. group Y represents Cys-amide or group like -NH-(CH₂)₂-SH.

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