

Title (en)
FLUORESCENT PEPTIDES

Title (de)
FLUORESZIERENDE PEPTIDE

Title (fr)
PEPTIDES FLUORESCENT

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Abstract (en)
[origin: WO9631531A2] The invention provides biologically active compounds of formula (I) where R1 is a light-emitting moiety and R7 is a peptide of between 2 and 200 amino acids. X is selected from the group including =O, =S, -OH, =C=O, =NH, -H, -OR, -NR, -R, -R3R4, wherein each R, R4 and R3, independently, is H or a C1-C6 branched or unbranched, substituted or unsubstituted, alkyl. The compounds are both biologically active and optically detectable. The peptide is chemically attached to the light-emitting moiety at an amino acid position which is not involved in binding to the peptide's receptor. In this way, the peptide's affinity for its receptor is not significantly decreased, and the compound retains high biological activity and can be easily detected using standard optical means.

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