

Title (en)

COMPOUNDS THAT ASSOCIATE ON THE INTERMOLECULAR LEVEL AND AGGREGATE BODIES THAT CONTAIN THEM

Title (de)

INTERMOLEKULAR ASSOZIIERENDE VERBINDUNGEN UND DIESE UMFASSENDE AGGREGATE

Title (fr)

COMPOSES A ASSOCIATION INTERMOLECULAIRE ET AGREGATS ENGLOBANT CES COMPOSES

Publication

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Application

**EP 00949235 A 20000630**

Priority

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Abstract (en)

[origin: DE19930177A1] The invention relates to a compound of the general formula (I)  $X(B)_m$ , wherein X is a unit of the value m and the members B are the same or different and represent K-R, wherein K represents a bond or  $A<1>-(A<2>-A<3>)_k-sp$ , wherein  $A<1>$  is  $(CH_2)tY(CH_2)u$ , wherein Y is  $>C=O$ ,  $>NH$ ,  $-O-$ ,  $-S-$  or a bond, t is an integer from 0 to 6 and u is an integer from 0 to 6,  $A<2>$  represents  $-NHCO-$ ,  $-CONH-$ ,  $-OCONH-$  or  $SCONH-$ , or  $-CO-$ ,  $A<3>$  is  $(CH_2)r$ ,  $O(CH_2)r$ ,  $NH(CH_2)r$ ,  $S(CH_2)r$ , or  $-(CHQ)-$ , wherein r is an integer from 1 to 6 and Q is a substituted or unsubstituted alkyl or aryl group, sp represents a bivalent spacer or a bond, and k is an integer from 5 to 100, and R represents hydrogen, a ligand that is suitable to specifically bind to a receptor, a marker molecule or a catalytically active group, and m is at least 2, with the proviso that (1) in the compound at least one R is different from hydrogen, (2) at least 2 K are present that do not represent a bond, and (3) X, the members B and m are selected in such a manner that K can be associated on the intermolecular level in the liquid phase by the formation of hydrogen bonds and the simultaneous formation of aggregate bodies that represent on their surfaces several R that are different from hydrogen, and (4) the molar mass of fragment  $X(K)_m$  is less than 20.000.

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IPC 8 full level

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See references of WO 0102018A2

Citation (examination)

"Biochemical organic compounds for research and diagnostic agents", 1991, SIGMA CHEMICAL COMPANY, article "POLYGLYCINE", pages: 1717

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