

Title (en)

COLLAGEN-LIKE POLYMERS WITH CELL BINDING ACTIVITY

Title (de)

KOLLAGENARTIGE POLYMERE MIT ZELLBINDUNGS-AKTIVITÄT

Title (fr)

POLYMERES DU TYPE COLLAGENE A ACTIVITE DE LIAISON CELLULAIRE

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Application

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Abstract (en)

[origin: WO9852620A2] The invention is essentially directed to a biocompatible material comprising a bulk material which has covalently bound to a surface or surfaces thereof one or more biopolymer compounds, said biopolymer compounds comprising at least one peptoid residue. The biopolymer compounds are most preferably polymer compounds comprising the sequence of the formula (I): $-(\text{Gly-Pro-Nleu})_y-$, wherein (y) denotes ≥ 9 . Also disclosed is a method of binding biopolymer compounds to a bulk material, which biopolymer compounds comprise at least one peptoid residue, as well as primary amine groups, the method comprising the steps of: (a) providing aldehyde or carboxyl groups on a surface or surfaces of said bulk material; (b) reacting said primary amine groups with aldehyde or carboxyl groups to form covalent bonds.

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