

Title (en)
DEGRADABLE POLYMERS

Title (de)
ABBAUBARE POLYMERE

Title (fr)
POLYMERES DEGRADABLES

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Abstract (en)
[origin: WO0117515A1] A polymer comprising: a polymeric backbone comprising at least one unit having the structure (I), wherein R-R<4> comprise groups selected from the group consisting of H, C1-C12 alkyl, C6-C18 aryl, C7-C18 aralkyl, C6-C18 cycloalkyl or any of the group consisting of C1-C12 alkyl, C6-C18 aryl, C7-C18 aralkyl, C6-C18 cycloalkyl substituted, within the carbon chain or appended thereto, with one or more heteroatoms; R and R<2> or R and R<4> or R and R<1> or R<2> and R<3> may be joined so that with the carbon atom(s) to which they are attached they together form a saturated, partially unsaturated or unsaturated ring system respectively, may have a pendent group which may incorporate a linker unit, (for example a peptide linkage) or a unit having the structure (I); A comprises a proton donating moiety selected from the group consisting of formula (1). B comprises a hydrolytically labile group and is selected from the group consisting of formula (2), wherein each R<5> is individually selected from the group consisting of H, C1-C12 alkyl, C6-C18 aryl, C7-C18 aralkyl, C6-C18 cycloalkyl; wherein groups A and B are in a cis-configuration about bond Ca-Cb; m is an integer of 0 to 100, n, p and q are each an integer of 0 or 1; Q comprises 1 or more structures selected from the group consisting of formula (3) wherein R<6>-R<11> are individually selected from the same group as defined for group R above and r is an integer between 1 and 5000, preferably 1 to 10, most preferably 1 to 6; methods for the production, and uses thereof.

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IPC 8 full level
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Citation (search report)
• [DA] GB 2270920 A 19940330 - UNIV KEELE [GB]
• [A] ABUCHOWSKI A ET AL: "CANCER THERAPY WITH CHEMICALLY MODIFIED ENZYMES. I. ANTITUMOR PROPERTIES OF POLYETHYLENE GLYCOL-ASPARAGINASE CONJUGATES", 1984, CANCER BIOCHEMISTRY BIOPHYSICS,US,GORDON AND BREACH SCIENCE PUBLISHER, INC, VOL. 7, PAGE(S) 175-186, ISSN: 0305-7232, XP000199119
• See references of WO 0117515A1

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