

Title (en)  
POLYMERIZABLE MONOMERS AND PROCESS OF PREPARATION THEREOF

Title (de)  
POLYMERISIERBARE MONOMERE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
MONOMERES POLYMERISABLES ET LEUR PROCEDE DE PREPARATION

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Application  
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Abstract (en)  
[origin: WO2004087725A1] The present invention relates to polymerizable monomers for applications in medicine and biotechnology and synthesis thereof. The polymerizable ligands containing NAcetyl Glucosamine bind more strongly to lysozyme than NAG itself. The binding is further enhanced when a spacer arm, for example 6- Amino Caproic Acid (6-ACA) is introduced in the structure. The conjugated ligands could be used for prevention and treatment of bacterial and viral infections. Moreover these ligands can be coupled to stimuli sensitive polymers and used for the recovery of biomolecules. The methodology can be extended to other ligands such as sialic acid and the corresponding polymers used for preventing influenza and for rotavirus infections.

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