Synthesis and characterization of UV-crosslinkable peptide-based polymers for the use in glaucoma treatment

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Applied Polymer

Preparation and characterization of pH responsive polyl(methacrylic acid-acrylamide-N-hydroxyethyl acrylamide) hydrogels for drug delivery systems

Description: -
-Synthesis and characterization of UV-crosslinkable peptide-based polymers for the use in glaucoma treatment
-
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Notes: Thesis (M.Sc.) -- University of Toronto, 1998.
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Tags: #Harnessing #Endogenous #Stimuli #for #Responsive #Materials #in #Theranostics

Alumni

November 14, 2018 Speaker: Prof. High-Throughput Synthesis, Analysis, and Optimization of Injectable Hydrogels for Protein Delivery.

Genetically Engineered Elastin

When operated at high-throughput, in a continuous process and with excellent control over particle properties, microfluidics may become a preparation technique for particulate carriers competitive to batch emulsification not only in research but also for commercial fabrication, e. Molecular BioSystems 2016, 12 3 , 693-696. Injectable Polysaccharide Hydrogels Reinforced with Cellulose Nanocrystals: Morphology, Rheology, Degradation, and Cytotoxicity.

Synthesis of UV crosslinkable waterborne siloxane

A number of reviews have previously covered bioresponsive materials and stimuli-responsive materials in theranostics, which are recommended; however, here the focus is on harnessing endogenous stimuli to enhance temporal control over drug release or diagnostic imaging. The authors review advantages and limitations of the in vitro tests and animal models used for studying IRs to nanomedicines. A Effect of solution pH on the degree of protonation of the P and M chains.

Alumni

In a mouse model of pneumonic tularemia, the polymeric prodrug was able to achieve 100% survival, compared to 0% survival using the free drug.

Stimuli

Radically altered plasma and tumor pharmacokinetics, compared to free doxorubicin, and significant activity in animal tumors have been demonstrated preclinically.

Patents

Crystal violet staining of biofilms formed in multi-well polystyrene plates has been used to demonstrate the efficacy of enzymatic biofilm prevention and removal on E. Mall, Oliver Plettenburg, Carsten Schultz.

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