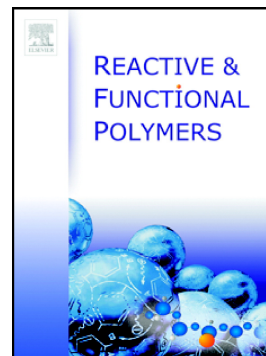


Accepted Manuscript

Formulation and evaluation of epinephrine-loaded poly(acrylic acid-co-N-isopropylacrylamide) gel for sustained ophthalmic drug delivery

Adhimoorthy Prasannan, Hsieh-Chih Tsai, Ging-Ho Hsiue



PII: S1381-5148(18)30004-X
DOI: doi:[10.1016/j.reactfunctpolym.2018.01.001](https://doi.org/10.1016/j.reactfunctpolym.2018.01.001)
Reference: REACT 3974

To appear in: *Reactive and Functional Polymers*

Received date: 1 March 2017
Revised date: 16 November 2017
Accepted date: 1 January 2018

Please cite this article as: Adhimoorthy Prasannan, Hsieh-Chih Tsai, Ging-Ho Hsiue , Formulation and evaluation of epinephrine-loaded poly(acrylic acid-co-N-isopropylacrylamide) gel for sustained ophthalmic drug delivery. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. React(2018), doi:[10.1016/j.reactfunctpolym.2018.01.001](https://doi.org/10.1016/j.reactfunctpolym.2018.01.001)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Formulation and evaluation of epinephrine-loaded poly(acrylic acid-co-N-isopropylacrylamide) gel for sustained ophthalmic drug delivery

Adhimoorthy Prasannan¹, Hsieh-Chih Tsai^{2*}, Ging-Ho Hsiue^{1,3*}

1. Department of Chemical Engineering/R&D Center for Membrane Technology, Chung Yuan University, Chung Li 32023, Taiwan.
2. Graduate Institute of Applied Science and Technology, National Taiwan University of Science and Technology, Taipei 106, Taiwan, ROC.
3. Department of Chemical Engineering, National Tsing Hua University, Hsinchu, 320, Taiwan, ROC.

[*] To whom correspondence should be addressed.

Prof. Hsieh-Chih Tsai

E-mail: h.c.tsai@mail.ntust.edu.tw

Tel.: +886-2-27303625

Fax: +886-2-27303733

Prof. Ging-Ho Hsiue

E-mail: ghhsiue@mx.nthu.edu.tw

Tel.: +886-3-5719956

Fax: +886-3-5726825

Keywords: thermoresponsive hydrogel, graft copolymer, lower critical solution temperature, [³H]-epinephrine, ophthalmic drug delivery, intraocular pressure

Abstract

Download English Version:

<https://daneshyari.com/en/article/7826367>

Download Persian Version:

<https://daneshyari.com/article/7826367>

[Daneshyari.com](https://daneshyari.com)