Accepted Manuscript

Title: Fabrication of schizophyllan hydrogel via orthogonal

thiol-ene photopolymerization

Authors: Sora Lee, Hyunhyuk Tae, Chang Seok Ki

PII: S0144-8617(17)30298-9

DOI: http://dx.doi.org/doi:10.1016/j.carbpol.2017.03.042

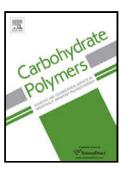
Reference: CARP 12131

To appear in:

Received date: 13-1-2017 Revised date: 28-2-2017 Accepted date: 12-3-2017

Please cite this article as: Lee, Sora., Tae, Hyunhyuk., & Ki, Chang Seok., Fabrication of schizophyllan hydrogel via orthogonal thiol-ene photopolymerization. *Carbohydrate Polymers* http://dx.doi.org/10.1016/j.carbpol.2017.03.042

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.



ACCEPTED MANUSCRIPT

Fabrication	of schizophyllan	hydrogel via	orthogonal	thiol-ene
photopolym	nerization			

Sora Lee, Hyunhyuk Tae, Chang Seok Ki*

Department of Biosystems and Biomaterials Science and Engineering, Seoul National University, Seoul 08826, Republic of Korea

Sora Lee and Hyunhyuk Tae equally contributed to this study as co-first authors.

*To whom correspondence should be sent:

Chang Seok Ki, Ph D

Assistant Professor

Department of Biosystems and Biomaterials Science and Engineering, Seoul National University, Seoul 08826, Republic of Korea

Email: ki.cs@snu.ac.kr

Highlights

- SPG and PEG/SPG hydrogel fabrication via orthogonal thiol-ene reaction.
- The properties of SPG-based hydrogel could be modulated by controlling components.
- Mechanical enhancement of hydrogel has been achieved by dual mode crosslinking.

Download English Version:

https://daneshyari.com/en/article/5157702

Download Persian Version:

https://daneshyari.com/article/5157702

<u>Daneshyari.com</u>