

Chemical Modification of Alginates in Organic Media

Siddhesh N. Pawar

Dissertation submitted to the faculty of Virginia Polytechnic Institute and State University in
partial fulfillment of the requirements for the degree of

Doctor of Philosophy

In

Macromolecular Science and Engineering

Kevin J. Edgar, Chair

S. Richard Turner

Judy S. Riffle

Charles E. Frazier

Maren Roman

April 30, 2013

Blacksburg, VA

Keywords: Alginate, derivatization, regioselective, acetate, modification, DS, gelling, microbeads, esters, drug delivery, naringenin, solubility, enhancement

Copyright 2013, Siddhesh N. Pawar

ELSEVIER ORDER DETAILS

May 06, 2013

Order Number	500758290
Order Date	May 06, 2013
Licensed content publisher	Elsevier
Licensed content publication	Biomaterials
Licensed content title	Alginate derivatization: A review of chemistry, properties and applications
Licensed content author	Siddhesh N. Pawar, Kevin J. Edgar
Licensed content date	April 2012
Licensed content volume number	33
Licensed content issue number	11
Number of pages	27
Start Page	3279
End Page	3305
Type of Use	reuse in a thesis/dissertation
Portion	full article
Format	both print and electronic
Are you the author of this Elsevier article?	Yes
Will you be translating?	No
Order reference number	
Title of your thesis/dissertation	Chemical Modification of Alginates in Organic Media
Expected completion date	May 2013
Estimated size (number of pages)	251
Elsevier VAT number	GB 494 6272 12
Permissions price	Not Available
VAT/Local Sales Tax	Not Available
Total	Not Available



RightsLink®

[Home](#)
[Create Account](#)
[Help](#)


ACS Publications
High quality. High impact.

Title: Chemical Modification of Alginates in Organic Solvent Systems

Author: Siddhesh N. Pawar and Kevin J. Edgar

Publication: Biomacromolecules

Publisher: American Chemical Society

Date: Nov 1, 2011

Copyright © 2011, American Chemical Society

User ID
<input type="text"/>
Password
<input type="text"/>
<input type="checkbox"/> Enable Auto Login
<input type="button" value="LOGIN"/>
Forgot Password/User ID?
If you're a copyright.com user, you can login to RightsLink using your copyright.com credentials. Already a RightsLink user or want to learn more?

PERMISSION/LICENSE IS GRANTED FOR YOUR ORDER AT NO CHARGE

This type of permission/license, instead of the standard Terms & Conditions, is sent to you because no fee is being charged for your order. Please note the following:

- Permission is granted for your request in both print and electronic formats, and translations.
- If figures and/or tables were requested, they may be adapted or used in part.
- Please print this page for your records and send a copy of it to your publisher/graduate school.
- Appropriate credit for the requested material should be given as follows: "Reprinted (adapted) with permission from (COMPLETE REFERENCE CITATION). Copyright (YEAR) American Chemical Society." Insert appropriate information in place of the capitalized words.
- One-time permission is granted only for the use specified in your request. No additional uses are granted (such as derivative works or other editions). For any other uses, please submit a new request.

Copyright © 2013 [Copyright Clearance Center, Inc.](#) All Rights Reserved. [Privacy statement.](#)
Comments? We would like to hear from you. E-mail us at customercare@copyright.com