

Accepted Manuscript

Novel dual stimuli-responsive ABC triblock copolymer: RAFT synthesis, “schizophrenic” micellization, and its performance as an anticancer drug delivery nanosystem

Soodabeh Davaran, Aliyeh Ghamkhari, Effat Alizadeh, Bakhshali Massoumi, Mehdi Jaymand

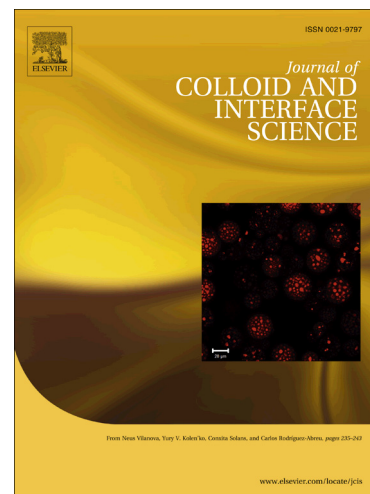
PII: S0021-9797(16)30864-5
DOI: <http://dx.doi.org/10.1016/j.jcis.2016.11.002>
Reference: YJCIS 21730

To appear in: *Journal of Colloid and Interface Science*

Received Date: 1 September 2016
Revised Date: 1 November 2016
Accepted Date: 1 November 2016

Please cite this article as: S. Davaran, A. Ghamkhari, E. Alizadeh, B. Massoumi, M. Jaymand, Novel dual stimuli-responsive ABC triblock copolymer: RAFT synthesis, “schizophrenic” micellization, and its performance as an anticancer drug delivery nanosystem, *Journal of Colloid and Interface Science* (2016), doi: <http://dx.doi.org/10.1016/j.jcis.2016.11.002>

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.



**Novel dual stimuli-responsive ABC triblock copolymer: RAFT synthesis,
“schizophrenic” micellization, and its performance as an anticancer drug delivery
nanosystem**

Soodabeh Davaran^{1,2,†}, Aliyeh Ghamkhari^{3,†}, Effat Alizadeh⁴, Bakhshali Massoumi^{*,3},
and Mehdi Jaymand^{*,5}

†: These authors made equal contributions to the work.

1. Drug Applied Research Center, Tabriz University of Medical Sciences, P.O. BOX: 51656-65811, Tabriz, Iran.
2. Department of Medicinal Chemistry, Faculty of Pharmacy, Tabriz University of Medical Sciences, P.O. BOX: 51664-14766, Tabriz, Iran.
3. Department of Chemistry, Payame Noor University, P.O. BOX: 19395-3697, Tehran, Iran.
4. Department of Medical Biotechnology, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences, P.O. BOX: 51548-53431, Tabriz, Iran.
5. Research Center for Pharmaceutical Nanotechnology, Tabriz University of Medical Sciences, P.O. BOX: 51656-65811, Tabriz, Iran.

* Correspondence to: Bakhshali Massoumi, Department of Chemistry, Payame Noor University, P.O. BOX: 19395-3697, Tehran, Iran.

E-mail addresses: b_massoumi@pnu.ac.ir; bakhshalim@yahoo.com

or

Mehdi Jaymand, Research Center for Pharmaceutical Nanotechnology, Tabriz University of Medical Sciences, Tabriz, Iran.

Tel: +98-41-33367914; Fax: +98-41-33367929

Postal address: Tabriz-5165665811-Iran

E-mail addresses: m_jaymand@yahoo.com; m.jaymand@gmail.com; jaymandm@tbzmed.ac.ir

Download English Version:

<https://daneshyari.com/en/article/4985332>

Download Persian Version:

<https://daneshyari.com/article/4985332>

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