

Accepted Manuscript

Synthesis of fluorescent molecularly imprinted nanoparticles for turn-on fluorescence assay using one-pot synthetic method and a preliminary microfluidic approach

Qianjin Li, Lingdong Jiang, Tripta Kamra, Lei Ye



PII: S0032-3861(18)30114-9

DOI: [10.1016/j.polymer.2018.01.086](https://doi.org/10.1016/j.polymer.2018.01.086)

Reference: JPOL 20346

To appear in: *Polymer*

Received Date: 9 December 2017

Revised Date: 22 January 2018

Accepted Date: 30 January 2018

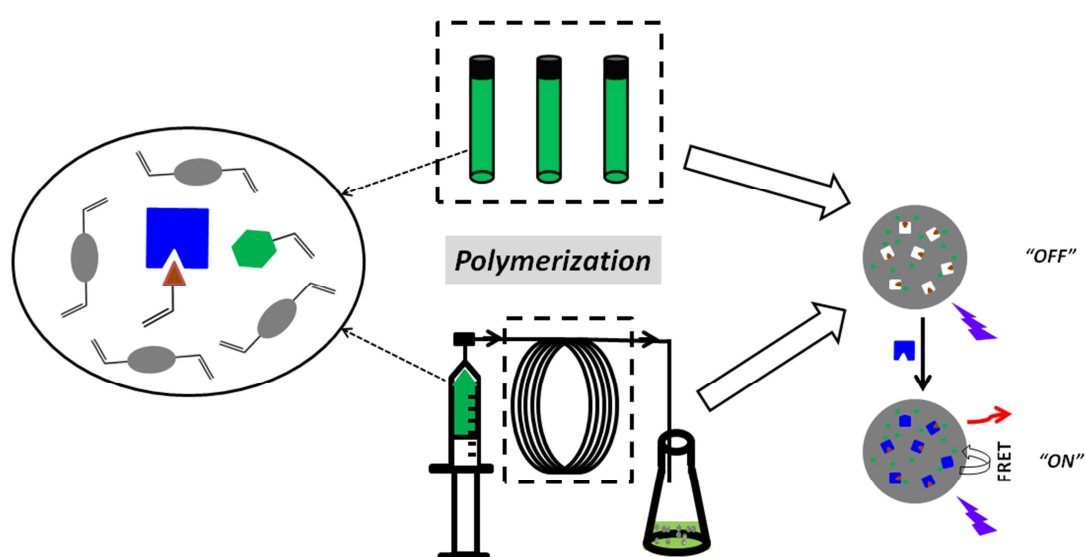
Please cite this article as: Li Q, Jiang L, Kamra T, Ye L, Synthesis of fluorescent molecularly imprinted nanoparticles for turn-on fluorescence assay using one-pot synthetic method and a preliminary microfluidic approach, *Polymer* (2018), doi: 10.1016/j.polymer.2018.01.086.

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.

Graphical Abstract:**Synthesis of molecularly imprinted nanoparticles for fluorescence turn-on drug assay using one-pot synthetic method and a preliminary microfluidic approach**

Qianjin Li, Lingdong Jiang, Tripta Kamra, and Lei Ye*

Division of Pure and Applied Biochemistry, Lund University, Box 124, 221 00 Lund, Sweden



Molecularly imprinted polymer nanoparticles bearing a suitable fluorescence acceptor were synthesized by precipitation polymerization in one-pot as well as in a continuous microfluidic reactor. The imprinted nanoparticles emit strong fluorescence when they bind to an analytical target.

* Phone: +46 46 222 9560; Fax: +46 46 222 4611
E-mail address: lei.ye@tbiokem.lth.se

Download English Version:

<https://daneshyari.com/en/article/7821128>

Download Persian Version:

<https://daneshyari.com/article/7821128>

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