

Accepted Manuscript

Title: A simple improved desolvation method for the rapid preparation of albumin nanoparticles

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PII: S0141-8130(16)30443-3
DOI: <http://dx.doi.org/doi:10.1016/j.ijbiomac.2016.05.032>
Reference: BIOMAC 6093

To appear in: *International Journal of Biological Macromolecules*

Received date: 2-3-2016
Revised date: 9-5-2016
Accepted date: 9-5-2016

Please cite this article as: Ali Jahanban-Esfahlan, Siavoush Dastmalchi, Soodabeh Davaran, A simple improved desolvation method for the rapid preparation of albumin nanoparticles, *International Journal of Biological Macromolecules* <http://dx.doi.org/10.1016/j.ijbiomac.2016.05.032>

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RESEARCH HIGHLIGHTS

- ☑ Albumin nanoparticles are extensively used as promising drug carriers.
- ☑ Particle size is an important factor in the fabrication of protein-based nanoparticles.
- ☑ This study establishes a simple and fast method for the preparation of albumin nanoparticles.
- ☑ Different parameters were considered to determine their effects on the size of nanoparticles.
- ☑ Preparation procedure was simplified by using an apparatus for the addition of ethanol.
- ☑ By using EDC, the time of nanoparticles preparation procedure was reduced to 3h.
- ☑ Nanoparticles with the size of around 100 nm and polydispersity below 0.2 were obtained.

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