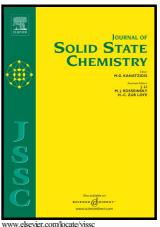
# Author's Accepted Manuscript

J-aggregation in porphyrin nanoparticles induced by diphenylalanine

Fengqing Li, Dongzhi Liu, Tianyang Wang, Jianxin Hu, Fancui Meng, Haiya Sun, Zhi Shang, Pingan Li, Wenhui Feng, Wei Li, Xueqin Zhou



PII: S0022-4596(17)30153-6

DOI: http://dx.doi.org/10.1016/j.jssc.2017.04.035

Reference: **YJSSC19768** 

To appear in: Journal of Solid State Chemistry

Received date: 6 March 2017 Revised date: 26 April 2017 Accepted date: 29 April 2017

Cite this article as: Fengqing Li, Dongzhi Liu, Tianyang Wang, Jianxin Hu Fancui Meng, Haiya Sun, Zhi Shang, Pingan Li, Wenhui Feng, Wei Li anc Xueqin Zhou, J-aggregation in porphyrin nanoparticles induced diphenylalanine, Journal Solid State **Chemistry** http://dx.doi.org/10.1016/j.jssc.2017.04.035

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable 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**

# J-aggregation in porphyrin nanoparticles induced by diphenylalanine

Fengqing Li<sup>a</sup>, Dongzhi Liu<sup>a,b\*</sup>, Tianyang Wang<sup>a,b</sup>, Jianxin Hu<sup>a,b</sup>, Fancui Meng<sup>a,d</sup>, Haiya Sun<sup>a</sup>, Zhi Shang<sup>a,b</sup>, Pingan Li<sup>a,b</sup>, Wenhui Feng<sup>a,b</sup>, Wei Li<sup>a,b,c\*</sup>, Xueqin Zhou<sup>a,b,c</sup>

<sup>a</sup>School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China;

<sup>b</sup>Collaborative Innovation Center of Chemical Science and Engineering, Tianjin, 300072, China;

<sup>c</sup>Tianjin Engineering Research Center of Functional Fine chemicals, Tianjin, 300072, China;

<sup>d</sup>Tianjin Key Laboratory of Molecular Design and Drug Discovery, Tianjin Institute of

Pharmaceutical Research, Tianjin 300193, China.

dzliu@tju.edu.cn

liwei2008@tju.edu.cn

\*Corresponding Author: School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China

\*Corresponding Author: School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China

#### **Abstract**

In this report, L-diphenylalanine-decorated tetraphenylporphyrin (TPPtFF $_{\rm C}$ ) was synthesized and self-assembled into regular nano-architechtures. The morphology of the assemblies varied with the concentration of TPPtFF $_{\rm C}$ . The absorption spectra of

## Download English Version:

# https://daneshyari.com/en/article/5153584

Download Persian Version:

https://daneshyari.com/article/5153584

<u>Daneshyari.com</u>