Supporting Information

Cationic Polymer-Derived Carbon Dots for Enhanced Gene Delivery and Cell Imaging

Xi He, Ping Chen, Ji Zhang, Tian-Ying Luo, Hai-Jiao Wang, Yan-Hong Liu and Xiao-Qi Yu**

Key Laboratory of Green Chemistry and Technology (Ministry of Education), College of Chemistry, Sichuan University, Chengdu 610064, P. R. China

*Corresponding authors: jzhang@scu.edu.cn (J. Zhang); xqyu@scu.edu.cn (X.-Q. Yu); Fax: + 86 28 85415886

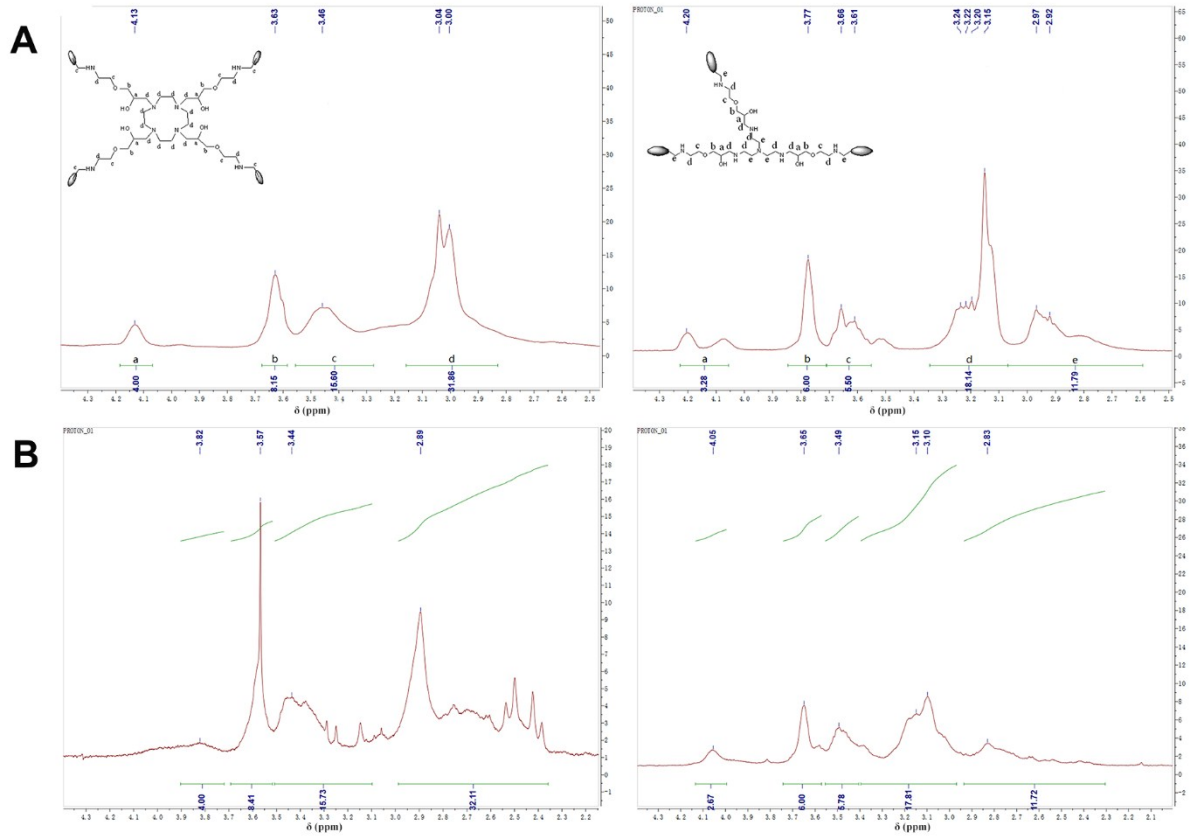

Fig. S1. The ^{1}H-NMR spectra of (A) left: Pcyclen, right: Ptaea. (B) left: Cyclen-CD, right: Taea-CD.

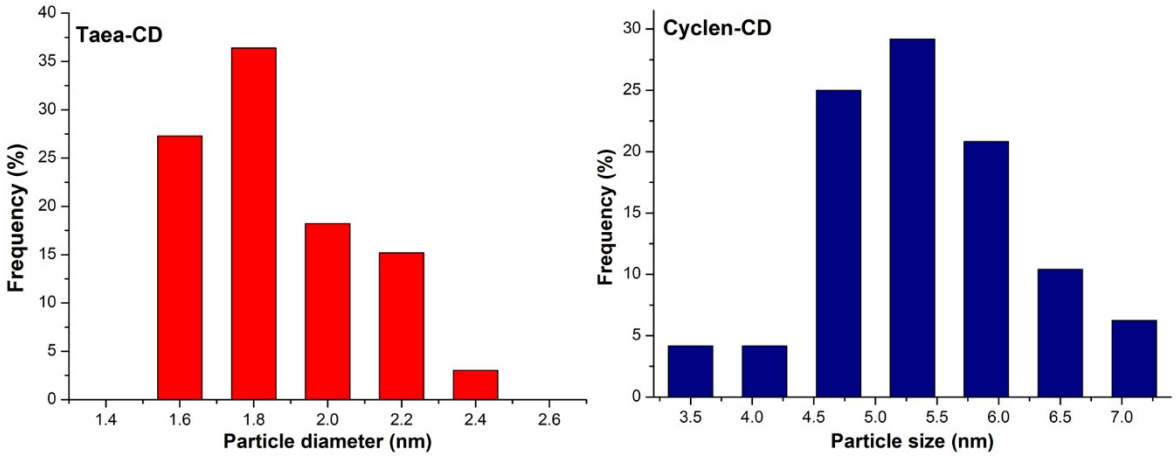

Fig. S2. The particle size distribution of the C-dots.

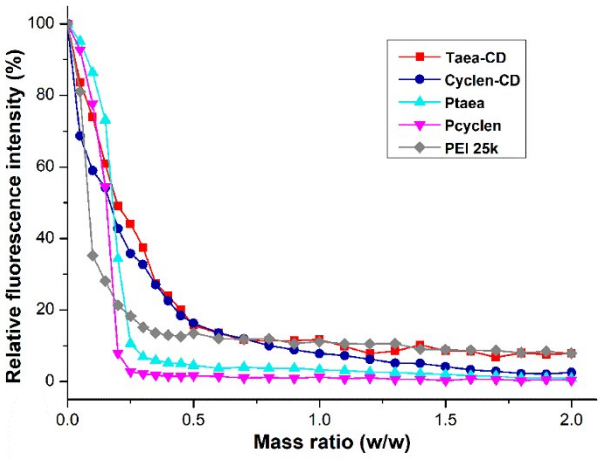

Fig. S3. Fluorescence quenching assay of EB/DNA by the addition of the C-dots and polymers, PEI 25 kDa was used as control.

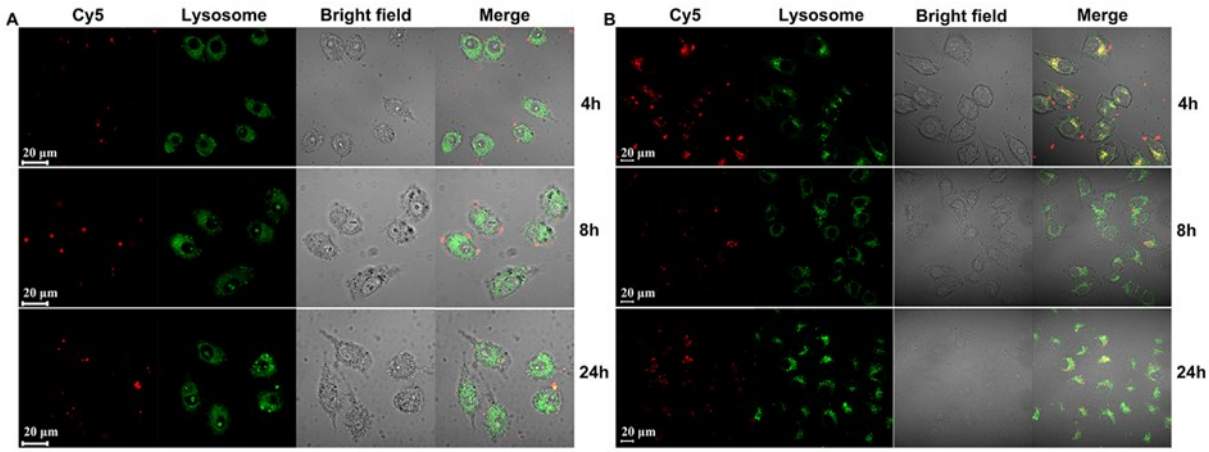

Fig. S4. Intracellular distribution of the complexes of **Ptaea**/DNA (A) and **Pcyclen**/DNA (B) in HeLa cells with 10% serum in different transfection time at w/w of 40.