

Supporting Information

Title Ultrastable green fluorescence carbon dots with high quantum yield for bioimaging and use as theranostic carriers

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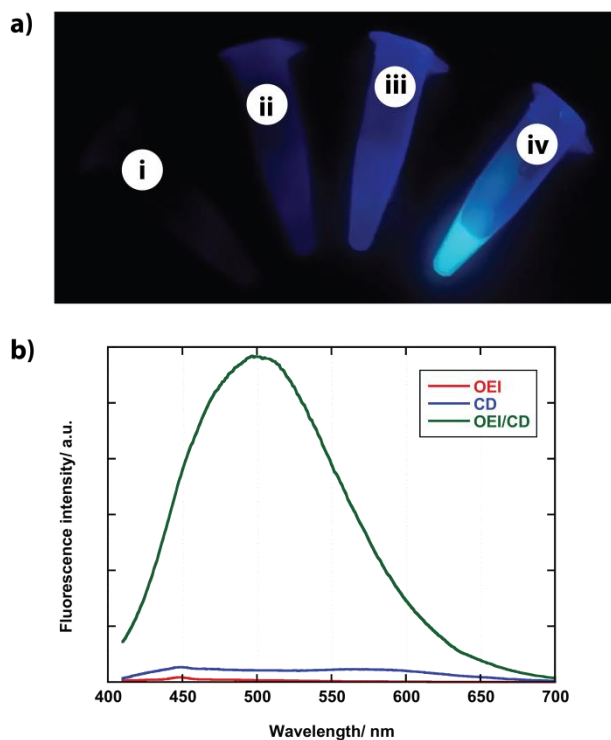


Figure S1. a) Photographs of (i) water, (ii) processed OEI, (iii) processed β CD and (iv) OEI/ β CD Cdots under a UV lamp excited at 365 nm, b) fluorescence intensity of OEI, β CD and OEI/ β CD Cdots using an excitation wavelength of 400 nm.

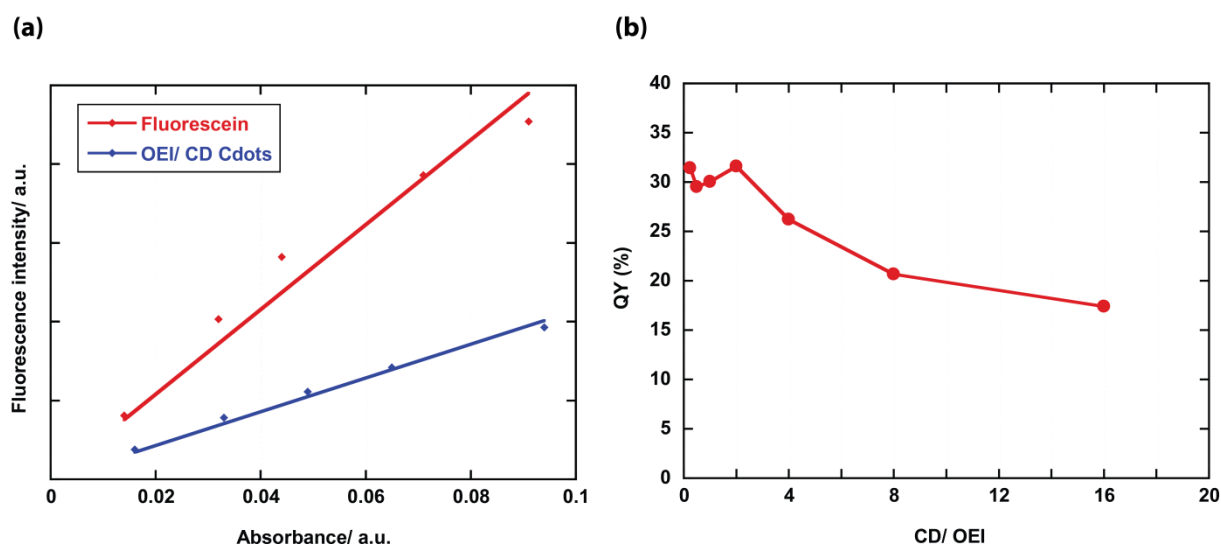


Figure S2. a) Integrated fluorescence intensity vs. absorbance of the fluorescein and Cdots, b) quantum yield of Cdots as a function of ratio of β CD/ OEI.

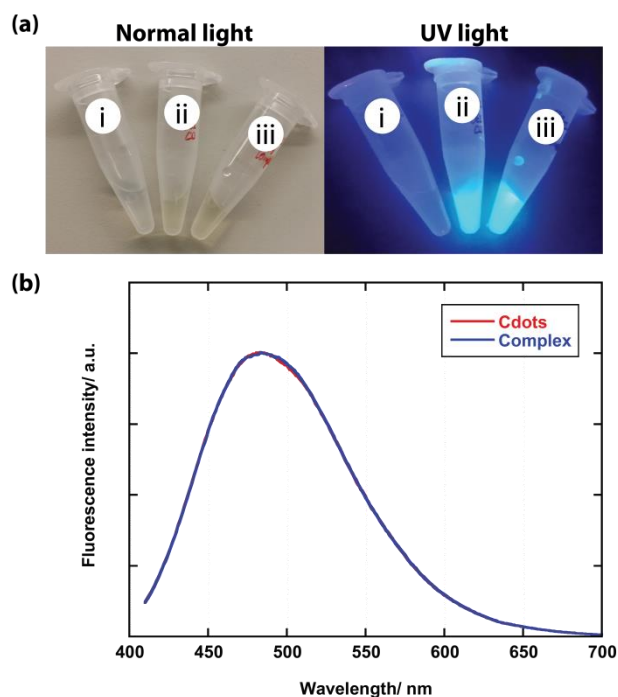


Figure S3. a) Photographs of (i) water, (ii) OEI/ β CD Cdots and (iii) OEI/ β CD complex under normal light and a UV lamp excited at 365 nm. b) fluorescence spectrum of the Cdots and OEI/CD complex, excitation wavelength 400 nm.

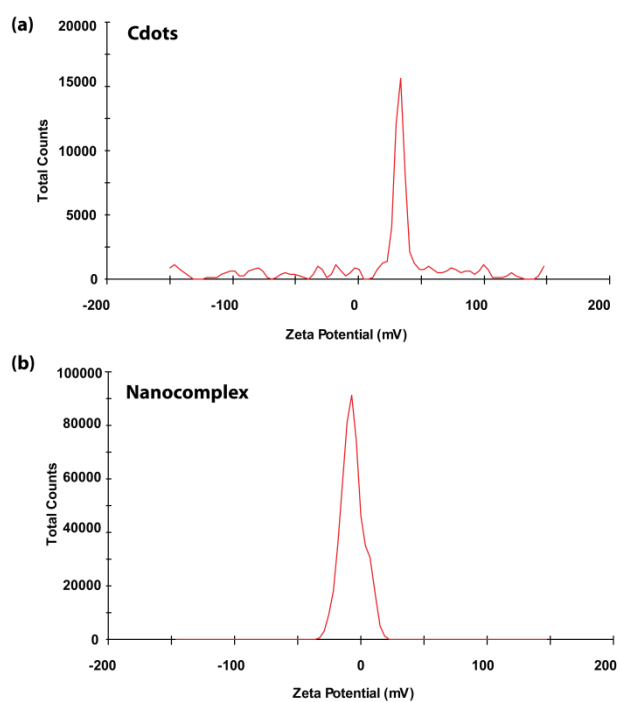


Figure S4. Zeta potential of a) Cdots and b) nanocomplex.

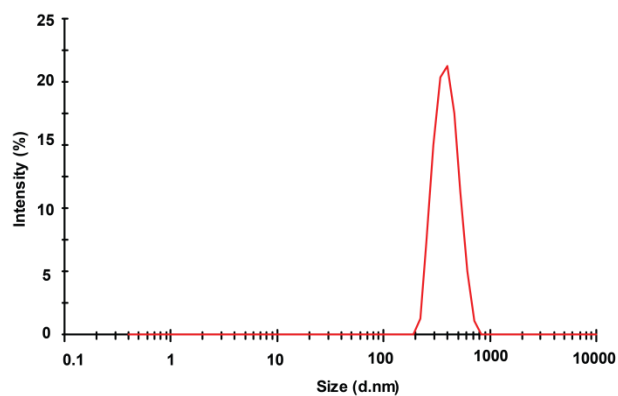


Figure S5. Particle size of Dox loaded nanocomplexes.

Table S1. Elemental composition of Cdots as determined by XPS measurements.

	elemental %			
	C	O	N	P
Cdots	36.8±0.6	46.7 ±0.7	7.8±0.5	8.7 ±0.3