Supporting Information

Synthesis and Characterization of Luminescent Cadmium Selenide/Zinc Selenide/Zinc Sulfide Cholinomimetic Quantum Dots

by

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Supplementary Materials: NMR Spectra

Figure S1. $^1$H-NMR of the non water-soluble QDs (400 MHz, in CDCl$_3$)

Figure S2. $^{31}$P-NMR of the non water-soluble QDs (400 MHz, in CDCl$_3$)
Figure S3. $^{31}$P-NMR of TOPO (400 MHz, in CDCl$_3$)

Figure S4. $^{31}$P-NMR of Fresh TOP (400 MHz, in CDCl$_3$)
Figure S5: $^{31}$P-NMR of TOP after two days of exposure to air (400 MHz, in CDCl$_3$)

Figure S6. $^1$H-NMR of the water-soluble QDs (400 MHz, in D$_2$O)
**Figure S7.** $^1$H-NMR of the water-soluble QDs (400 MHz, in D$_2$O)

**Figure S8.** $^{31}$P-NMR of the water-soluble QDs (400 MHz, in D$_2$O)
Figure S9. $^1$H-NMR of MSA (400 MHz, in D$_2$O)

Figure S10. $^1$H-NMR of the water-soluble QDs bound with the HC-15 analogue (600 MHz, in D$_2$O). For this spectrum, the peak for water was burned.