Supporting Information

The Effect of hemiketals on the Proton Relaxation of Endohedral Gadofullerenols

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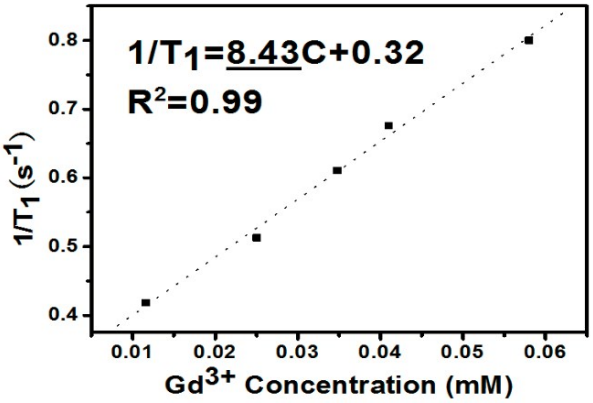

Figure S1. Linear relationship between T_1 relaxation rates ($1/T_1$) and Gd^{3+} concentrations for $Gd@C_{82}(OH)_{\sim20}O_{\sim2}$ at 7 T and 300 K.

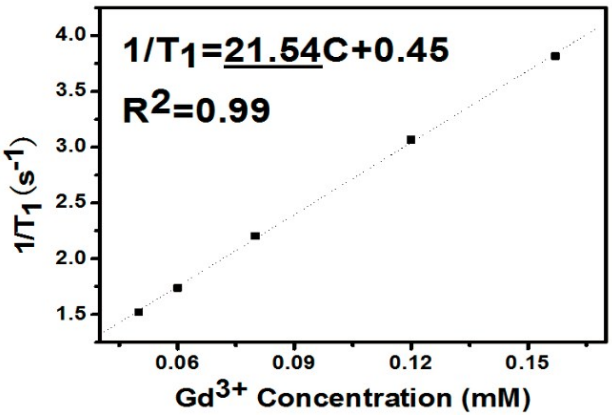

Figure S2. Linear relationship between T_1 relaxation rates ($1/T_1$) and Gd^{3+} concentrations for $Gd@C_{82}(OH)_{\sim 21}O_{\sim 7}$ at 7 T and 300 K.

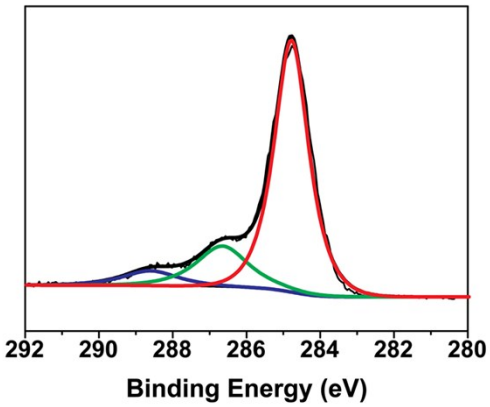

Figure S3. C1s fitting XPS spectra of $Gd@C_{82}(OH)_{\sim 15}O_{\sim 6}$.

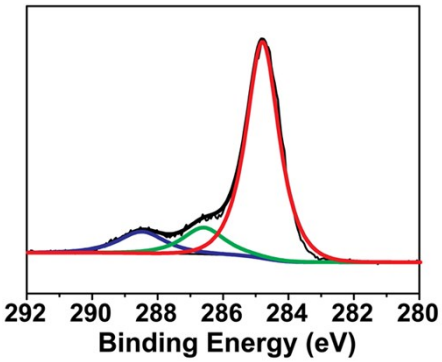

Figure S4. C1s fitting XPS spectra of $Gd@C_{82}(OH)_{\sim 18}O_{\sim 8}$.

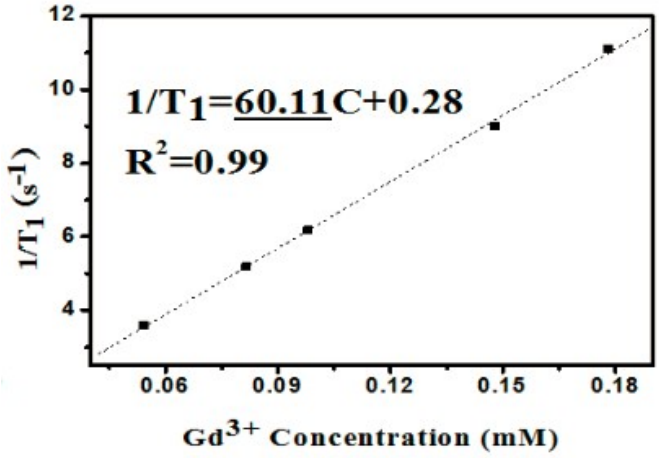

Figure S5. Linear relationship between T_1 relaxation rates ($1/T_1$) and Gd^{3+}

concentrations for Gd@$C_{82}(OH)_{\sim 15}O_{\sim 6}$ in water at 0.5 T and 300 K.

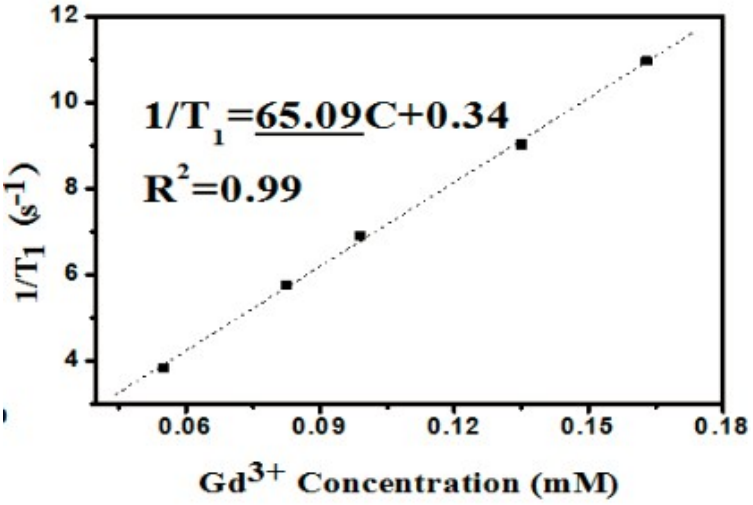

Figure S6. Linear relationship between T_1 relaxation rates ($1/T_1$) and Gd^{3+} concentrations for Gd@$C_{82}(OH)_{\sim 18}O_{\sim 8}$ in water at 0.5 T and 300 K.

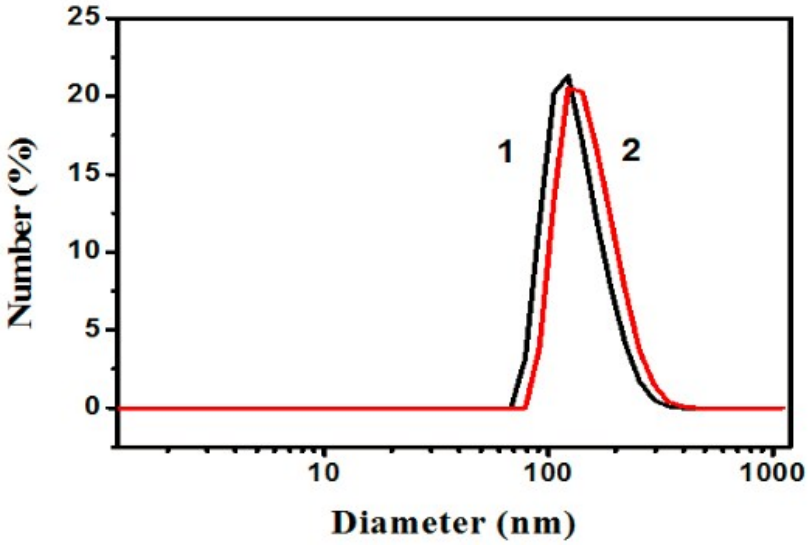

Figure S7. Size distributions for Gd@$C_{82}(OH)_{\sim 15}O_{\sim 6}$ (1#) and Gd@$C_{82}(OH)_{\sim 18}O_{\sim 8}$ (2#).

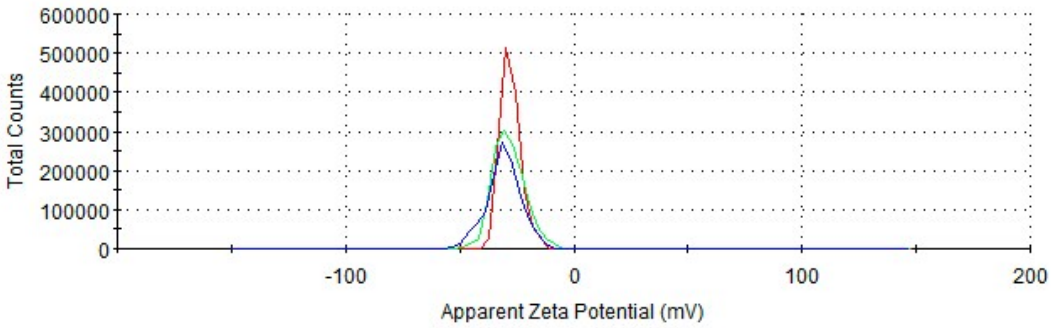

Figure S8. Zeta potential distribution for $Gd@C_{82}(OH)_{\sim 20}O_{\sim 2}$.

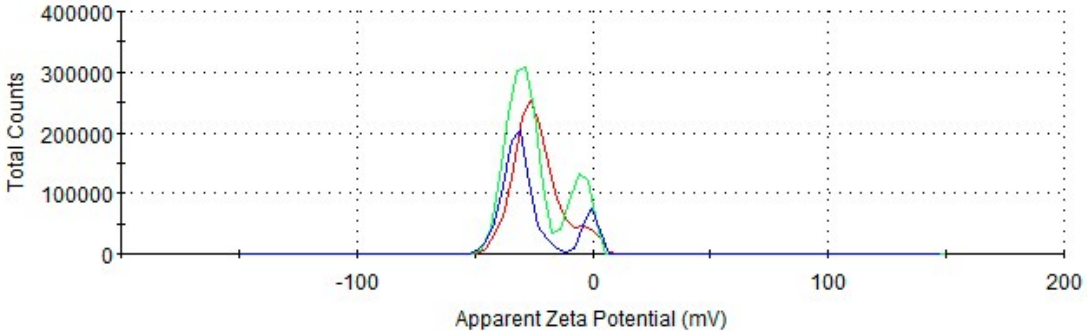

Figure S9. Zeta potential distribution for $Gd@C_{82}(OH)_{\sim 21}O_{\sim 7}$.