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Electronic Supporting Information

Acetylation of Dendrimer-Entrapped Gold and Silver Nanoparticles

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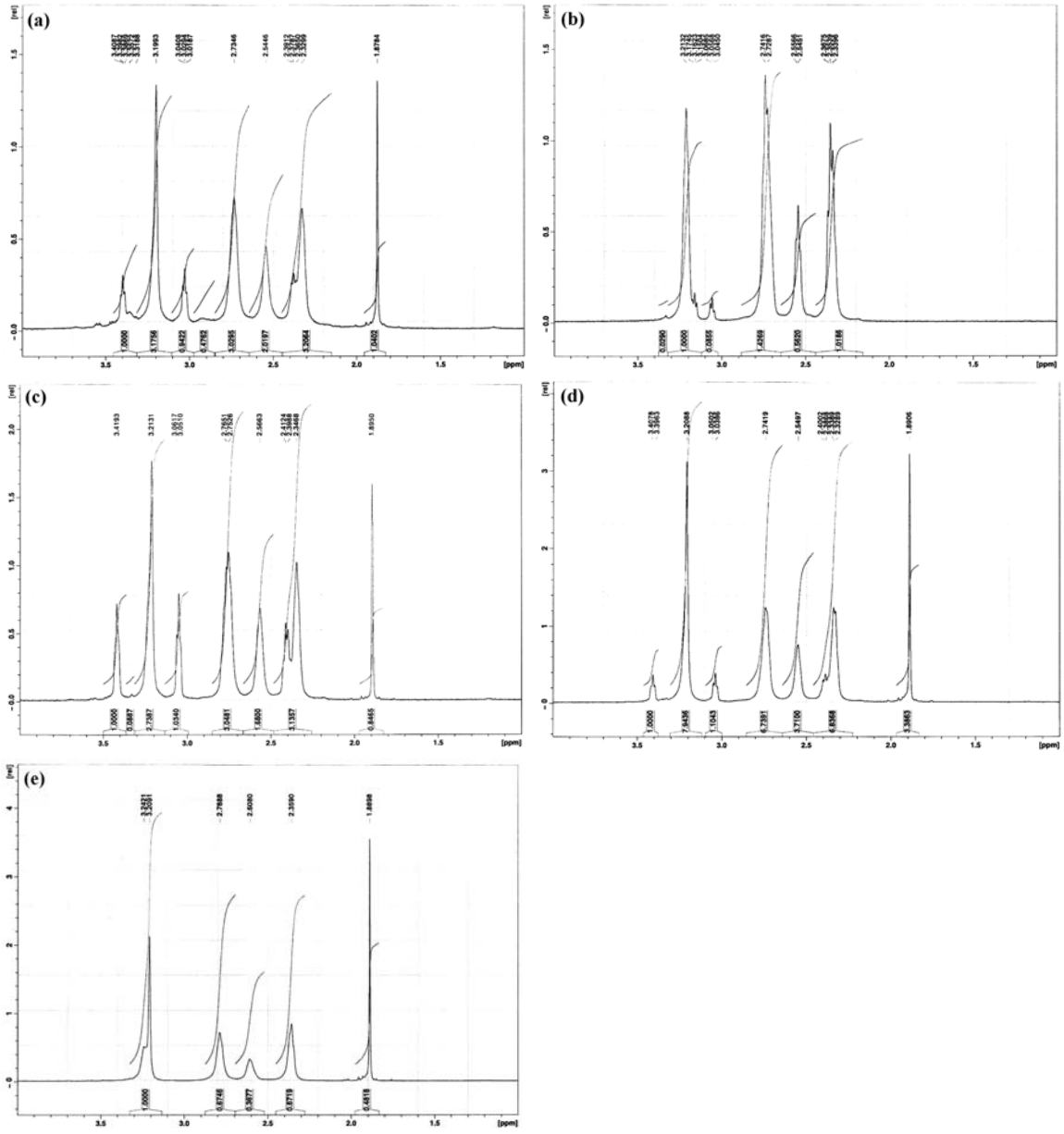

Figure S1. ^{1}H NMR spectra of {$(Au^{0})_{51.2}$-G5.50Ac} (a), {$(Ag^{0})_{51.2}$-G5.NH_2} (b), {$(Ag^{0})_{51.2}$-G5.35Ac} (c), {$(Ag^{0})_{51.2}$-G5.70Ac} (d), and {$(Ag^{0})_{51.2}$-G5.100Ac} (e) DENPs.

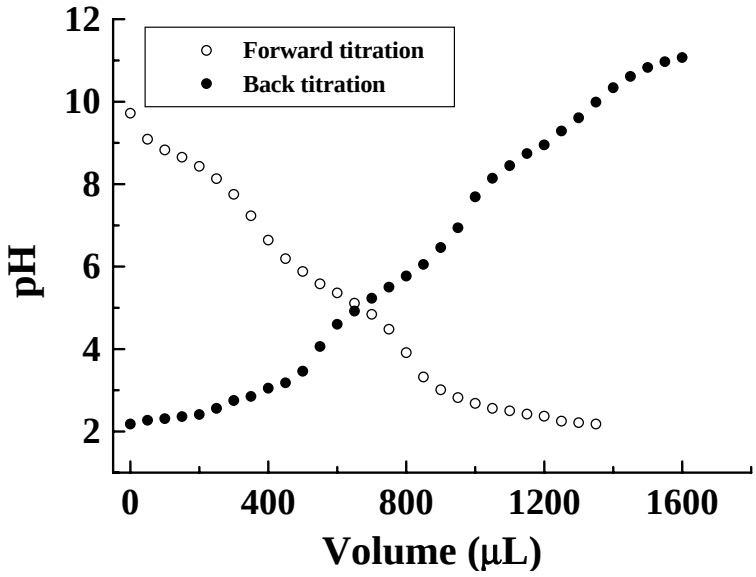

Figure S2. The potentiometric acid-base titration curves of G5.NH_2 dendrimers. Acid-base titrations were performed manually using a Mettler Toledo InLab422 pH electrode coupled with a Thermo Orion 230A plus pH meter at room temperature (23 ± 1°C). 10.18 mg G5.NH_2 dendrimer was dissolved in 5 mL water containing 0.1 M NaCl to give a solution concentration of 2.04 mg/mL. This solution was titrated by a standard HCl solution (0.0951N), then back titrated using a standard NaOH (0.1021N) solution. The numbers of primary and tertiary amine groups of G5.NH_2 were calculated using back titration data and the absolute molecular weight measured by SEC.

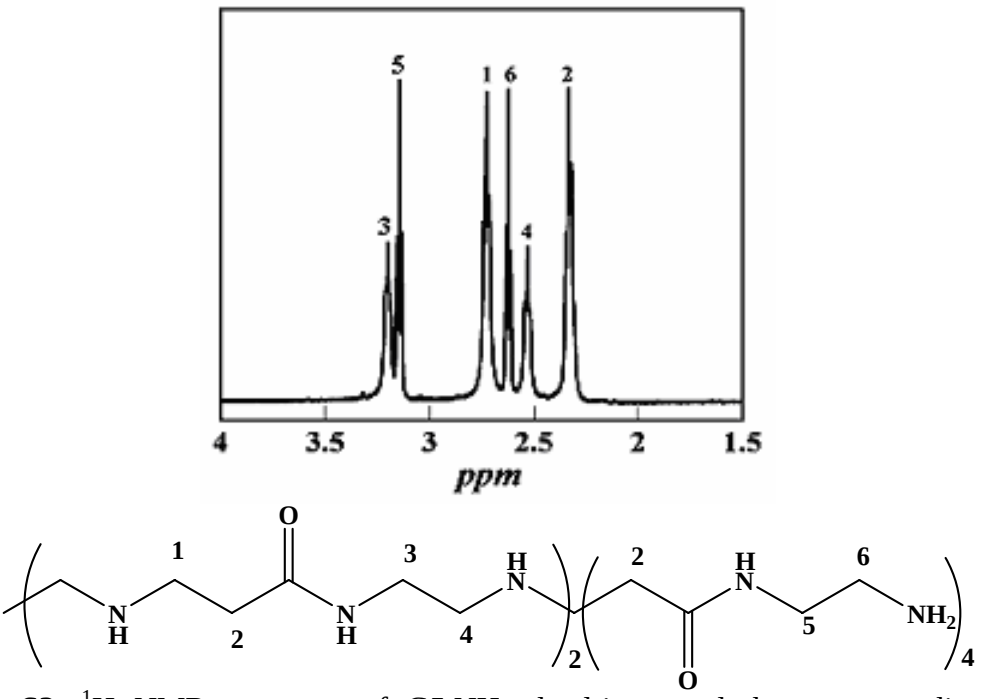

Figure S3. ^{1}H NMR spectrum of G5.NH_2 dendrimer and the corresponding peak assignments.