Ferrocenyl Dendrimers Based on Octasilsesquioxane Cores.

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Supporting Information

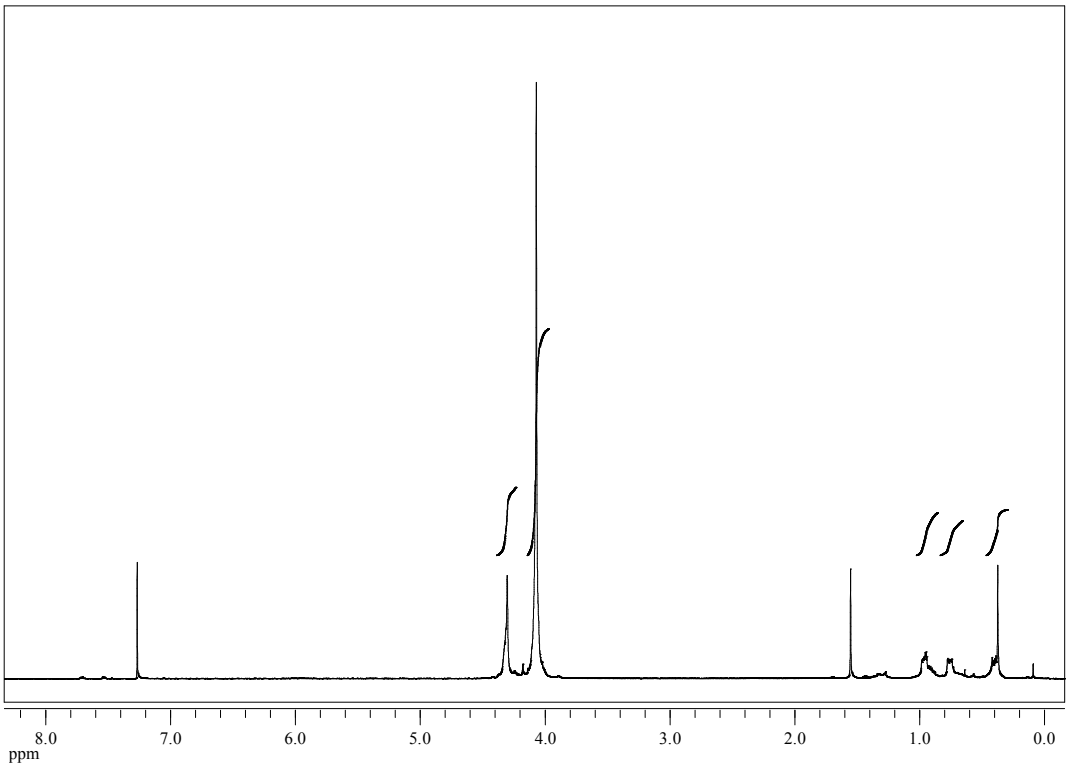

Figure S1. ^{1}H NMR spectrum of **G1-Fc$_{16}$** (300 MHz, $CDCl_3$).

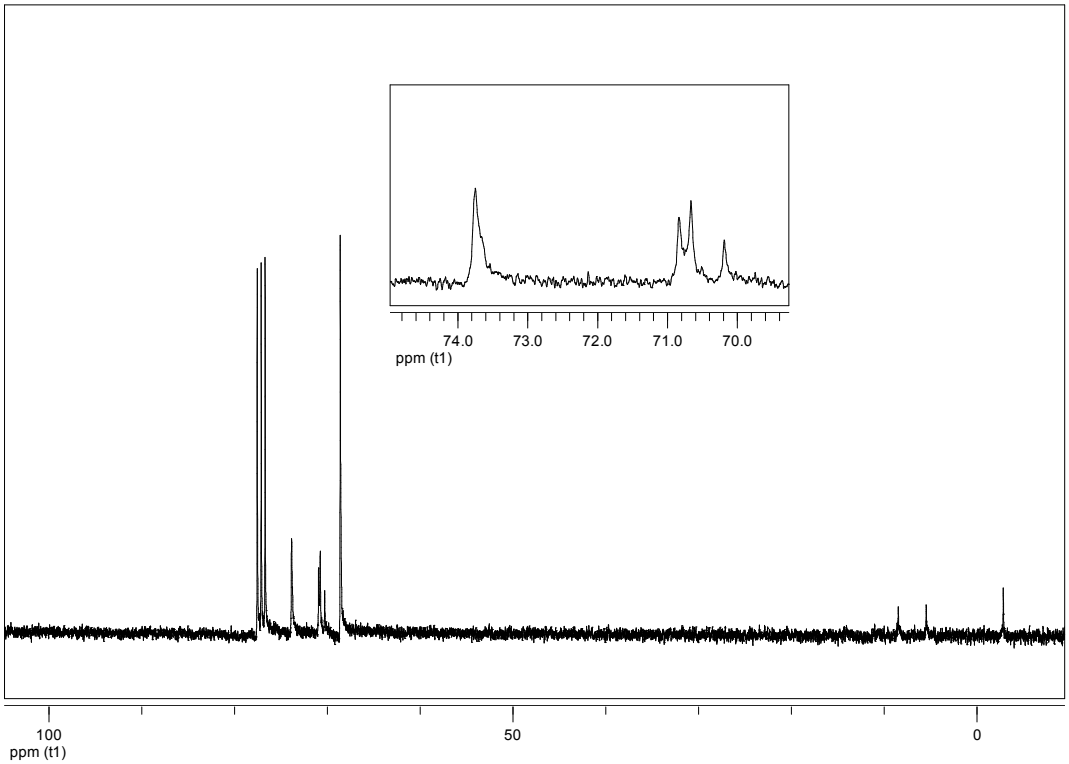

Figure S2. $^{13}C\{^{1}H\}$ NMR spectrum of **G1-Fc$_{16}$** (75.43 MHz, $CDCl_3$).

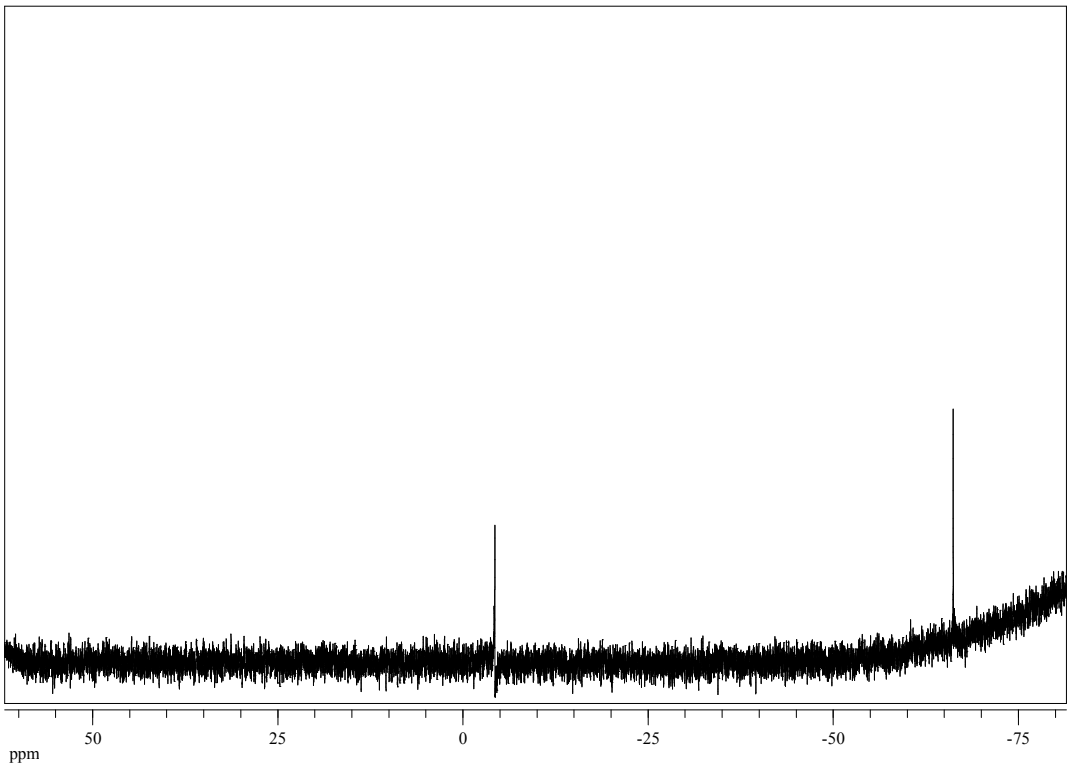

Figure S3. $^{29}Si\{^{1}H\}$ NMR spectrum of **G1-Fc$_{16}$** (59.3 MHz, $CDCl_3$).

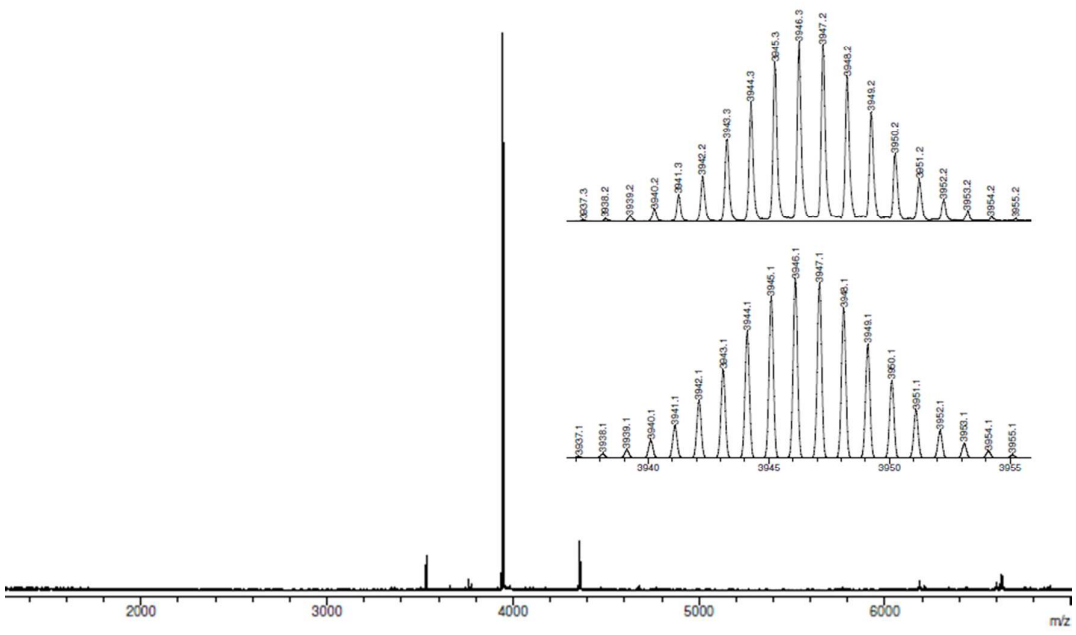

Figure S4. Mass spectrometry characterization by MALDI-TOF for **G1-Fc$_{16}$** . Isotopic distribution, experimental (top) and calculated (bottom).

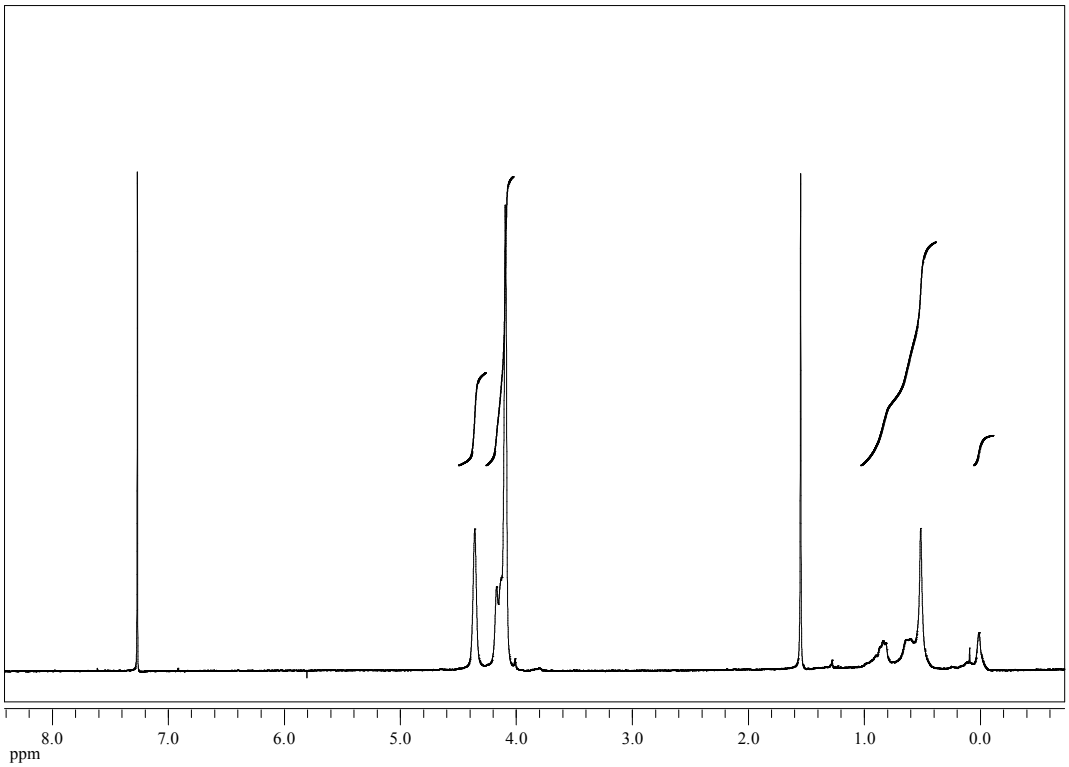

Figure S5. ^{1}H NMR spectrum of **G2-Fc$_{32}$** (300 MHz, $CDCl_3$).

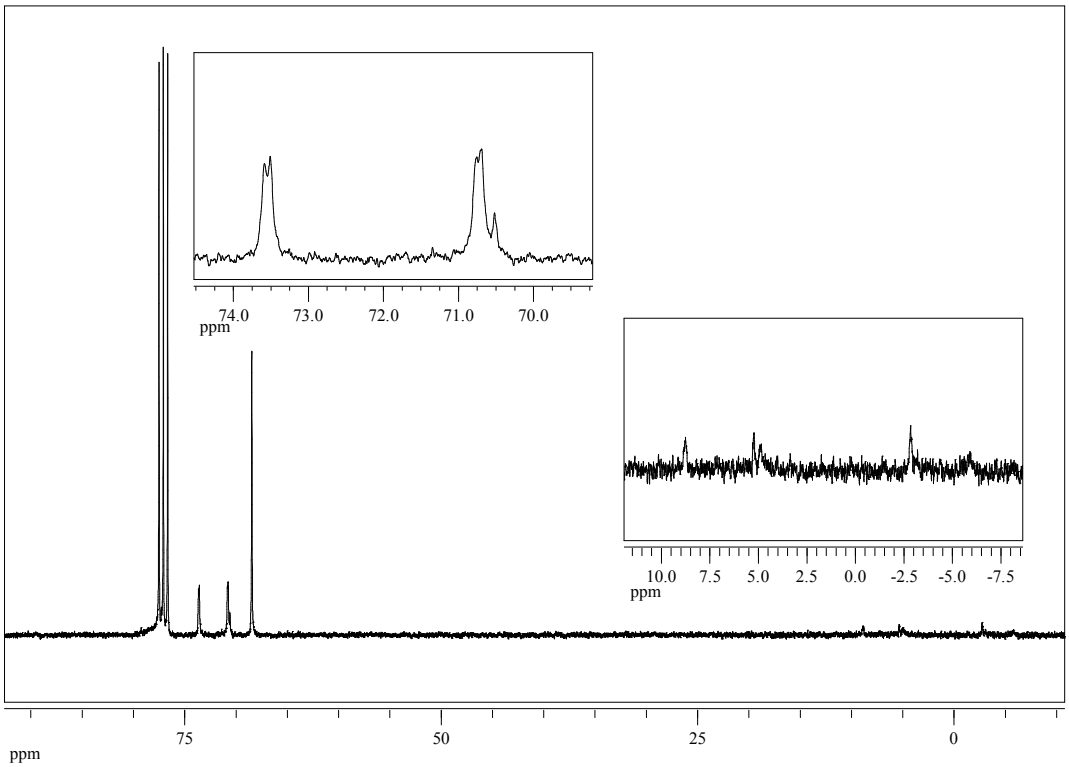

Figure S6. $^{13}C\{^{1}H\}$ NMR spectrum of **G2-Fc$_{32}$** (75.43 MHz, $CDCl_3$).

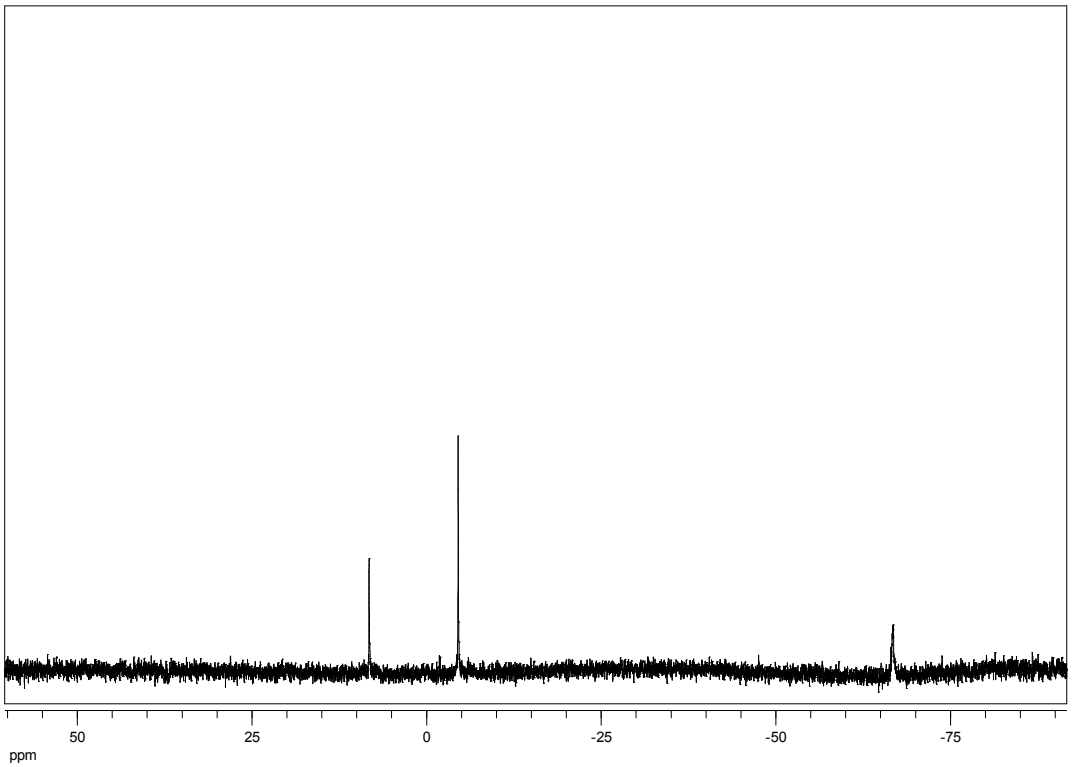

Figure S7. $^{29}Si\{^{1}H\}$ NMR spectrum of **G2-Fc$_{32}$** (59.3 MHz, $CDCl_3$).

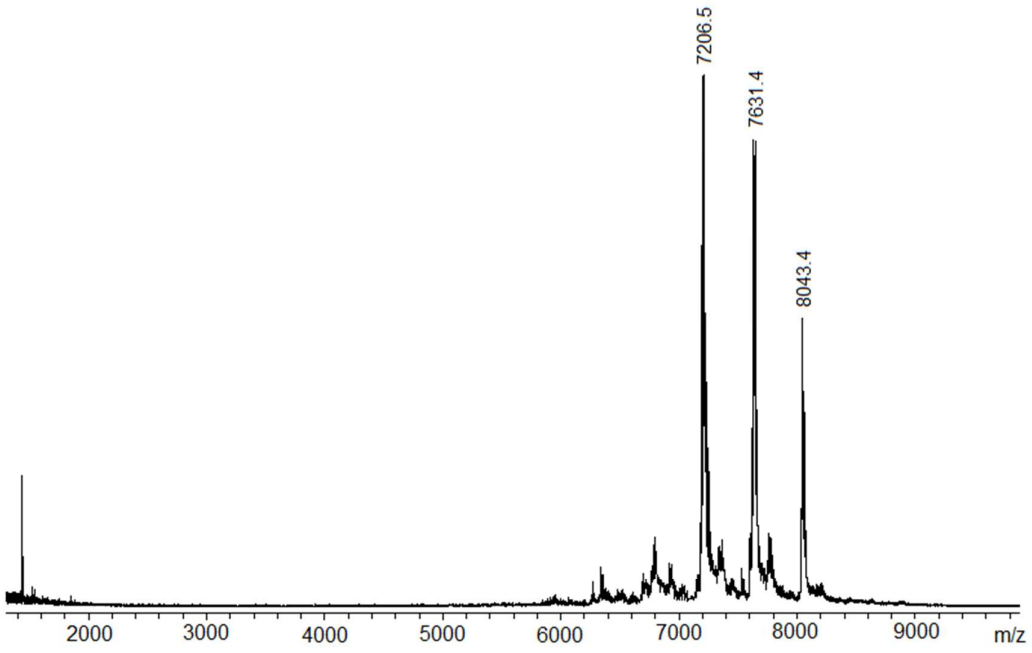

Figure S8. Mass spectrometry characterization by MALDI-TOF for **G2-Fc$_{132}$** .

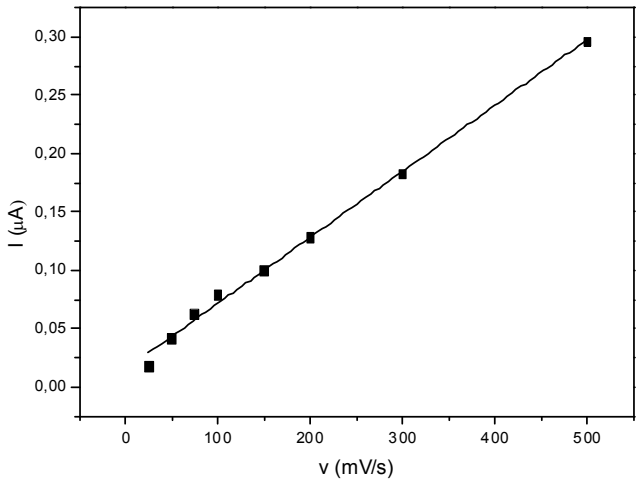

Figure S9 Plot of ip_a (first anodic wave) against scan rate (v) of the CV response of the modified electrode shown in Figure 5

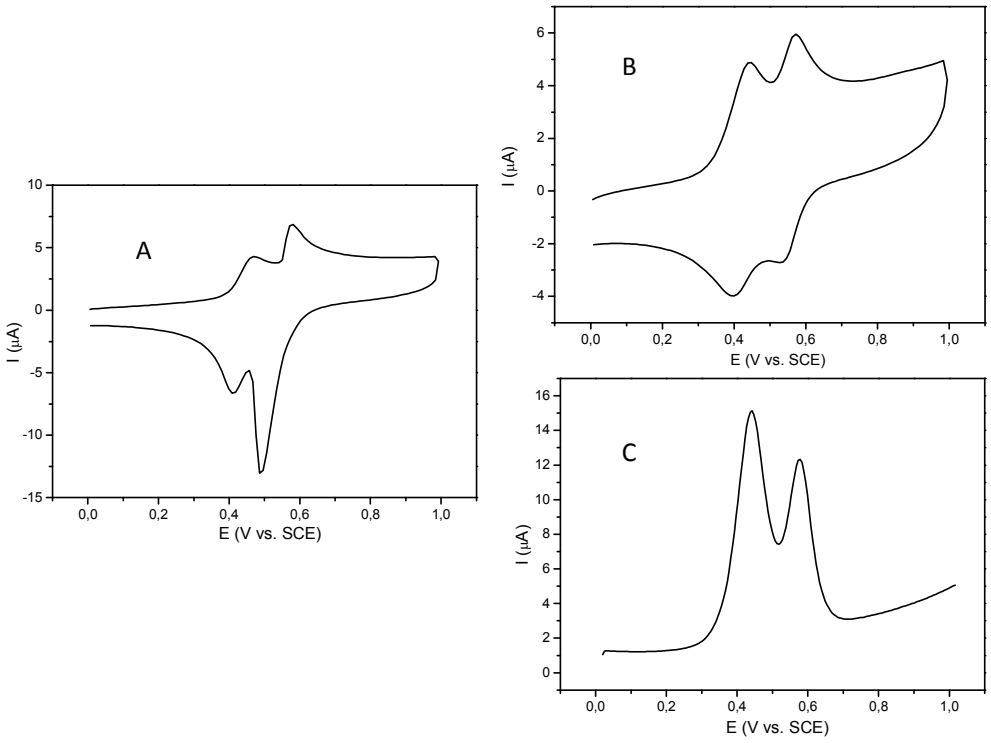

Figure S10 Cyclic voltammograms at a C_{glassy} disk electrode of **G2-Fc$_{32}$** (A) in CH_2Cl_2 and (B) in CH_2Cl_2/CH_3CN (1/1 by volume) at a scan rate of 100 mVs^{-1} and (C) a square wave voltammogram of **G2-Fc$_{32}$** in CH_2Cl_2/CH_3CN.

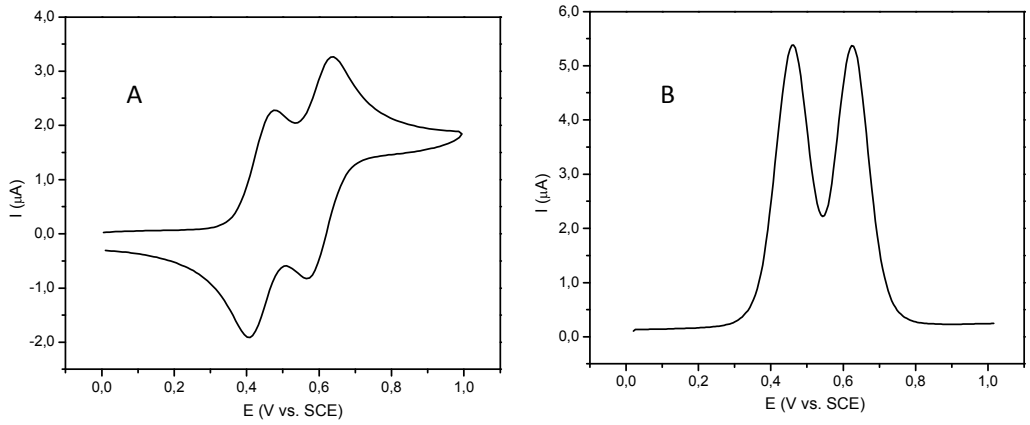

Figure S11 Cyclic voltammogram at a scan rate of 100 mV/s (A) and square wave voltammogram (B) at a Pt disk electrode of **1** in CH_2Cl_2/[*n*-Bu_4N][PF_6].

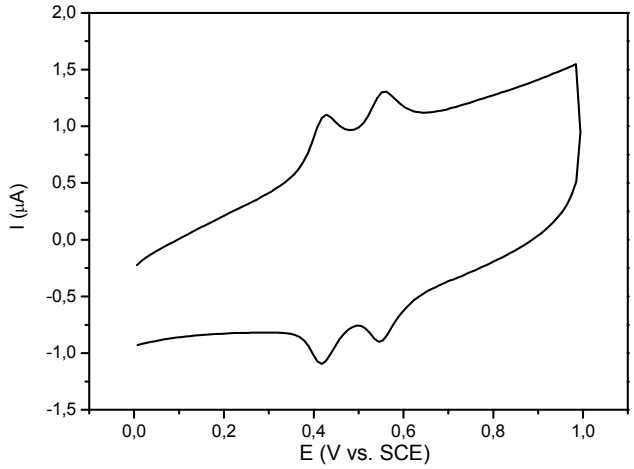

Figure S12 Voltammetric response of a C_{glassy}-disk electrode modified with a film of dendrimer **G1-Fc$_{16}$**, measured in CH_2Cl_2/[*n*-Bu_4N][PF_6] at 100 mV/s; $\Gamma = 1.3 \times 10^{-10}$ mol Fc/cm^2.