Electronic Supplementary Information for

Vinyl Ferrocenyl Glycidyl Ether: An Unprotected Orthogonal Ferrocene Monomer for Anionic and Radical Polymerization

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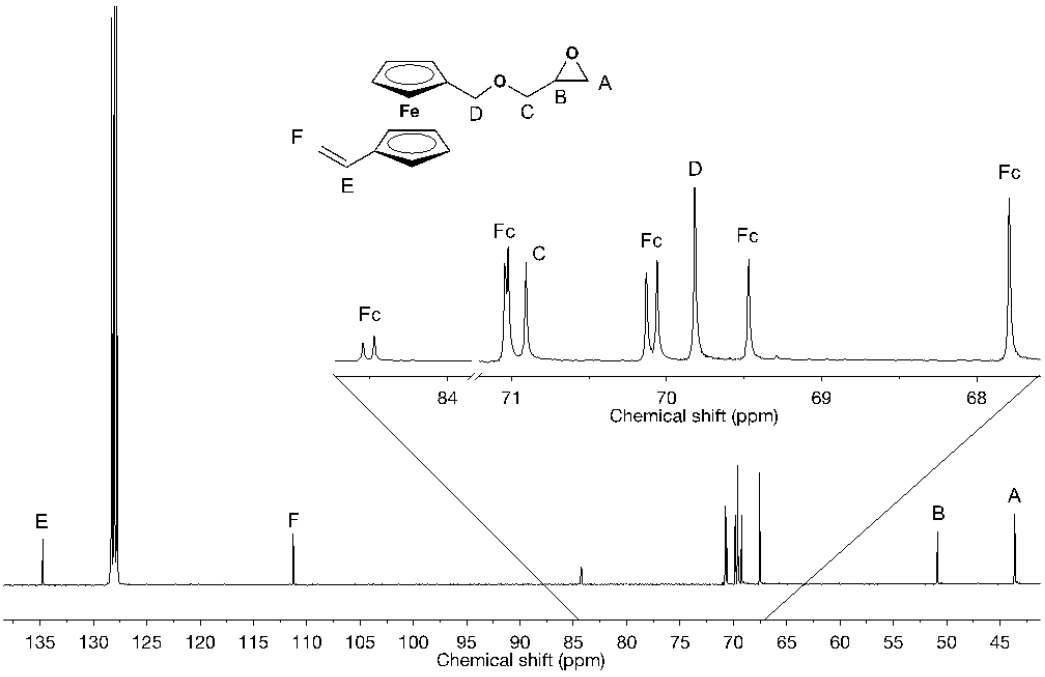

Figure S1. $^{13}C\{H\}$ NMR (101 MHz, C_6D_6, 298 K) of VfcGE.

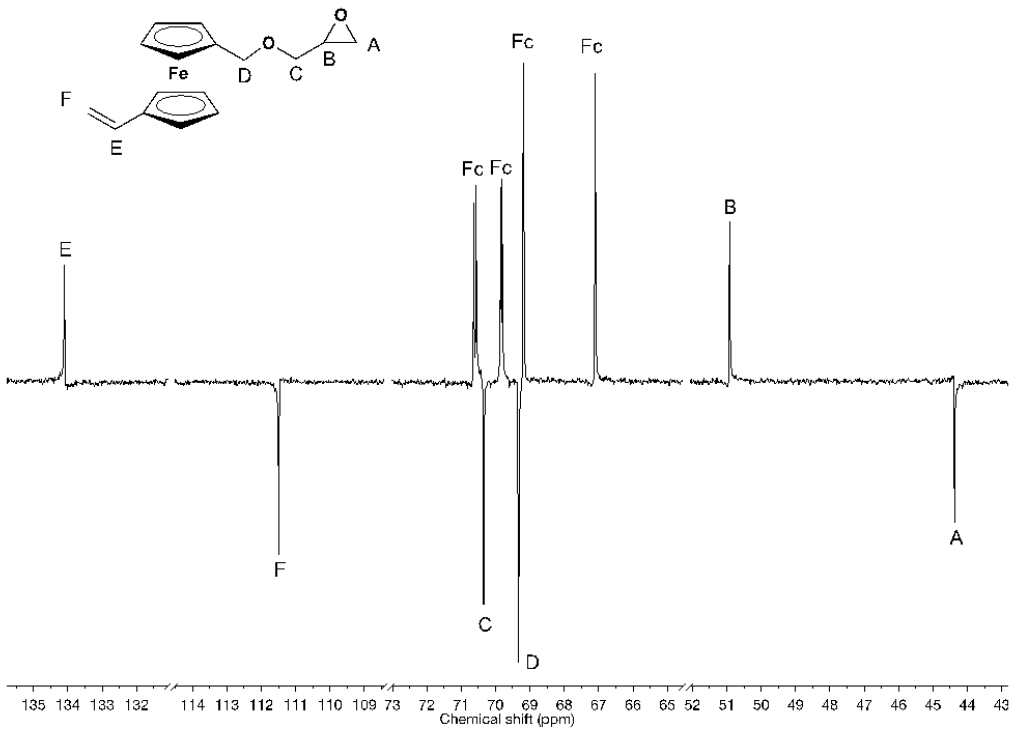

Figure S2. $^{13}C\{H\}$ DEPT NMR (101 MHz, $CDCl_3$, 298 K) of VfcGE.

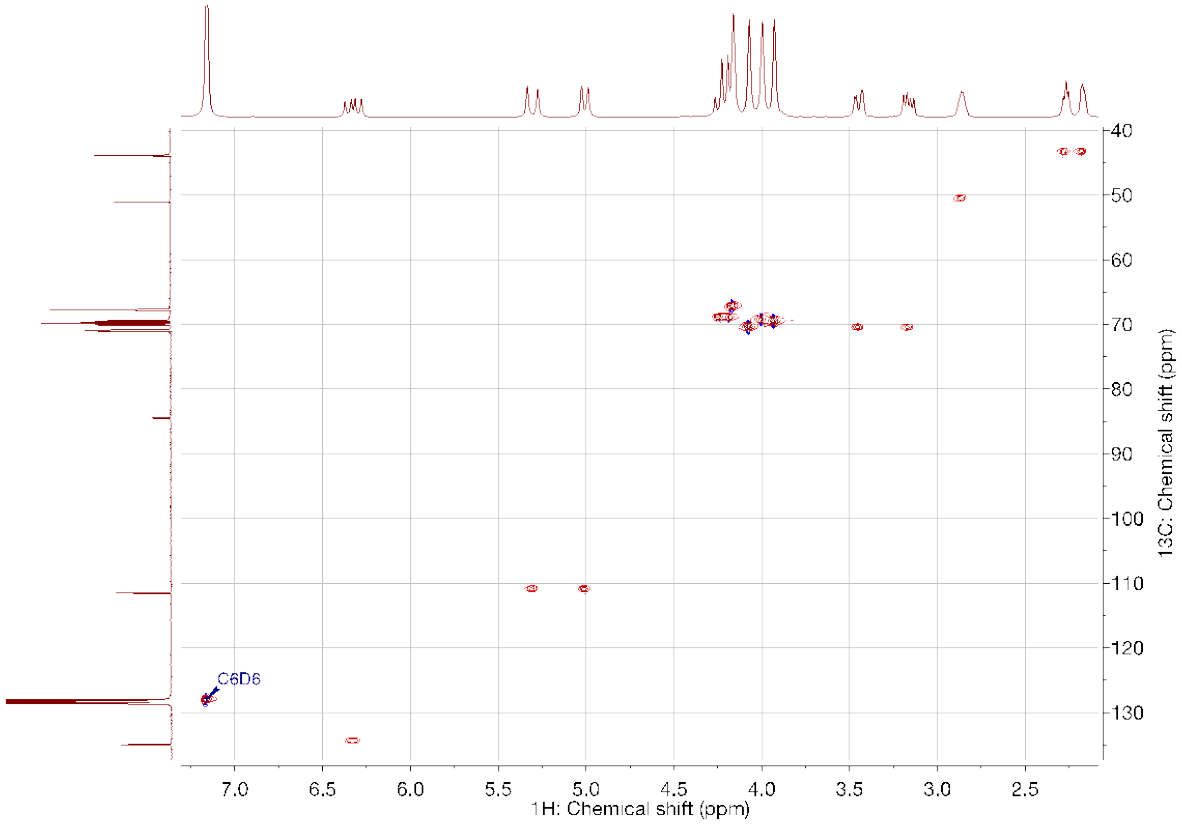

Figure S3. HSQC NMR (400 MHz, C_6D_6, 298 K) of VfcGE.

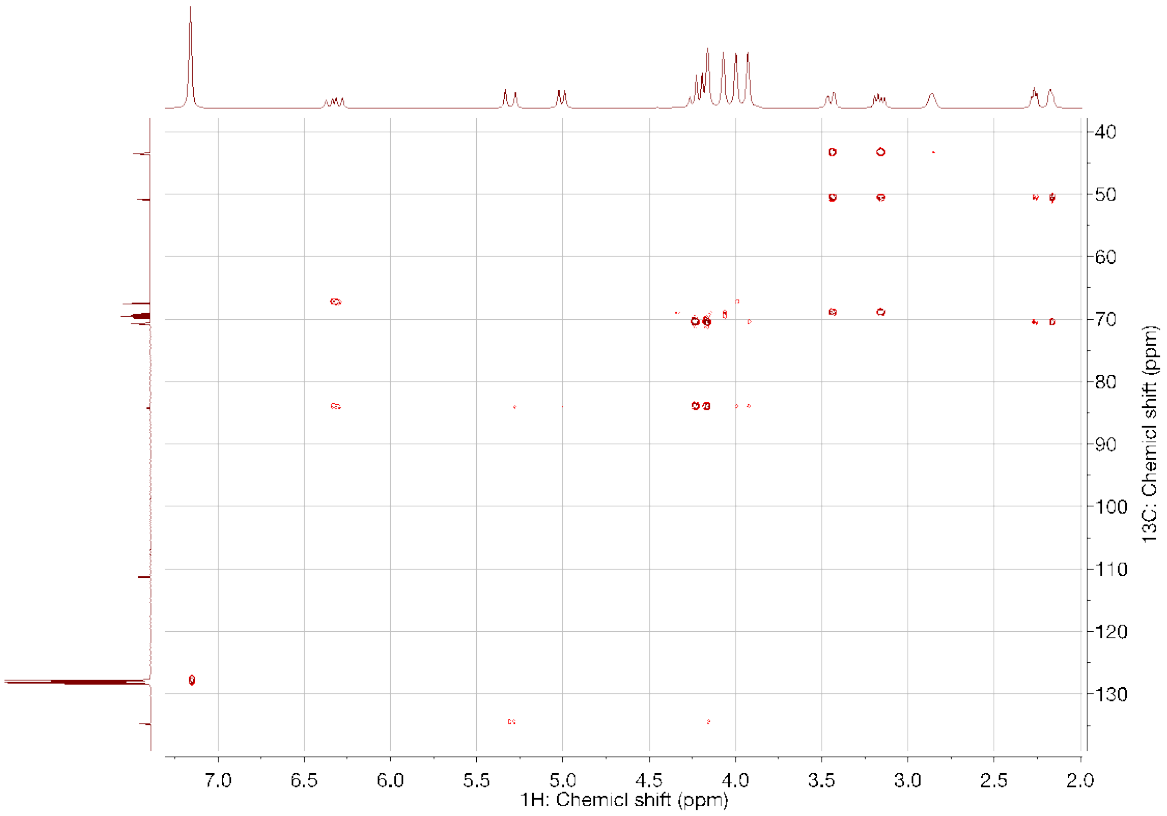

Figure S4. HMBC NMR (400 MHz, C_6D_6, 298 K) of VfcGE.

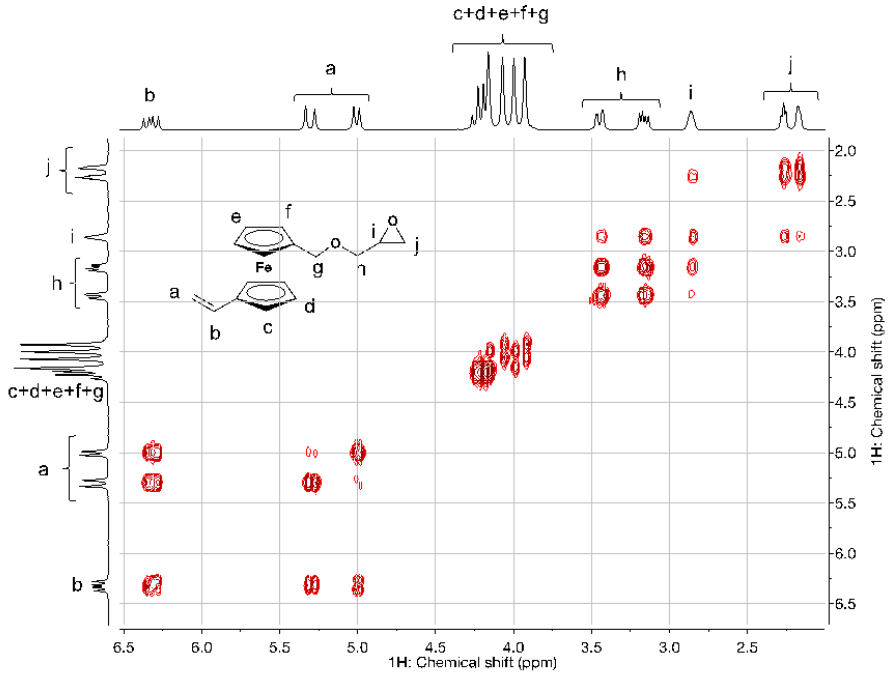

Figure S5. COSY NMR (400 MHz, C_6D_6, 298 K) of VfcGE.

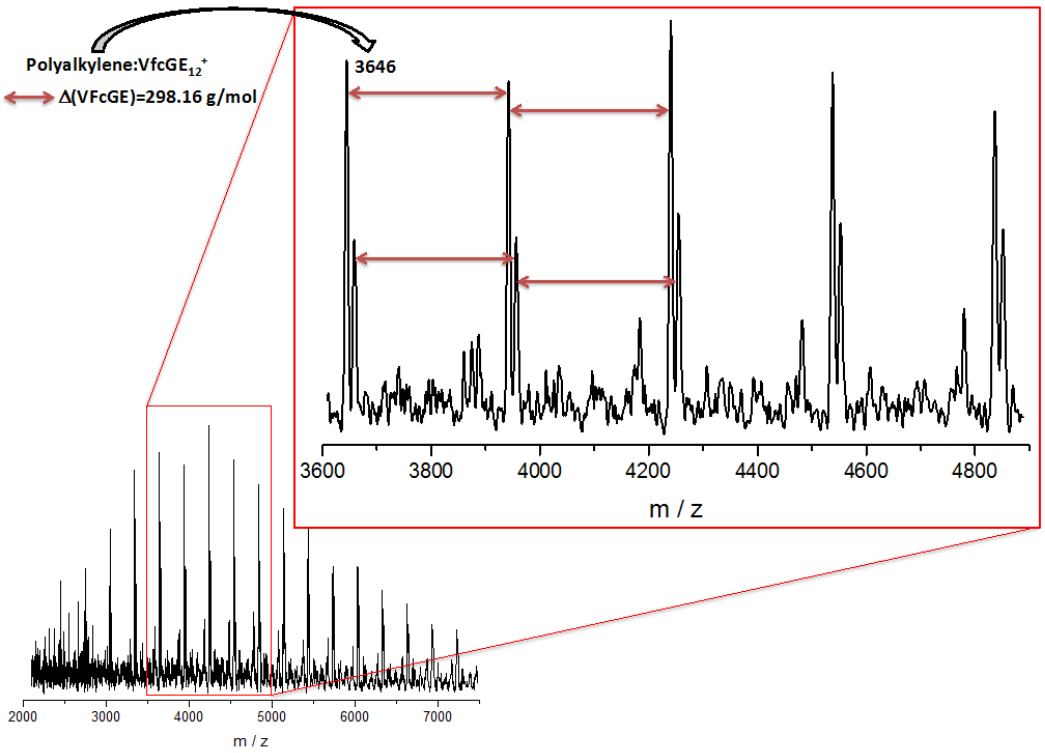

Figure S6. MALDI ToF mass spectrum of polyalkylene:VfcGE (**P1**) prepared by free radical polymerization.

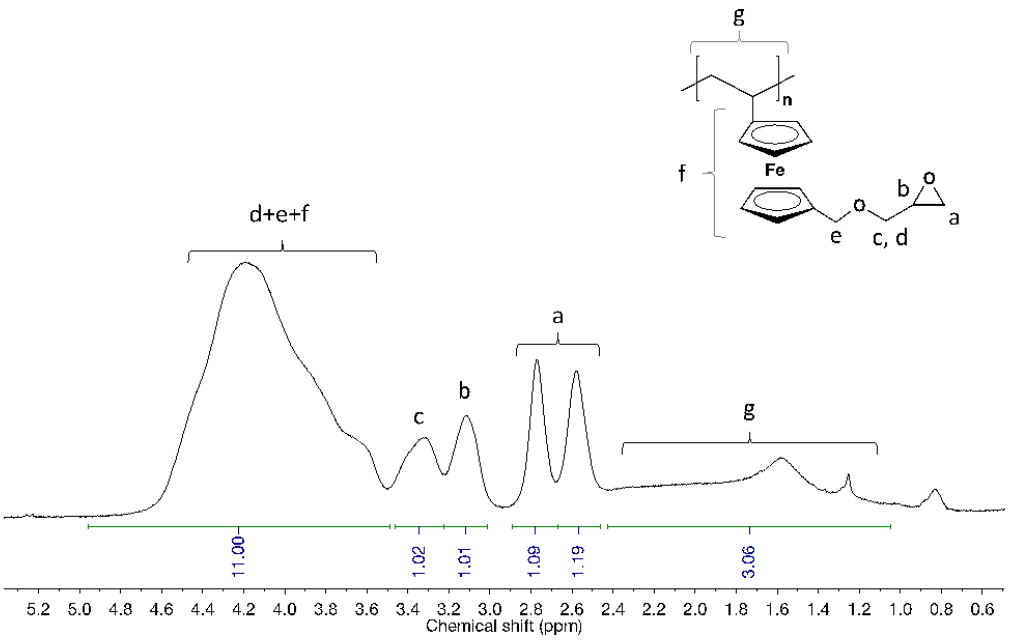

Figure S7. ^{1}H NMR (400 MHz, C_6D_6, 298 K): Peak assignment of polyalkylene:VfcGE (**P1**).

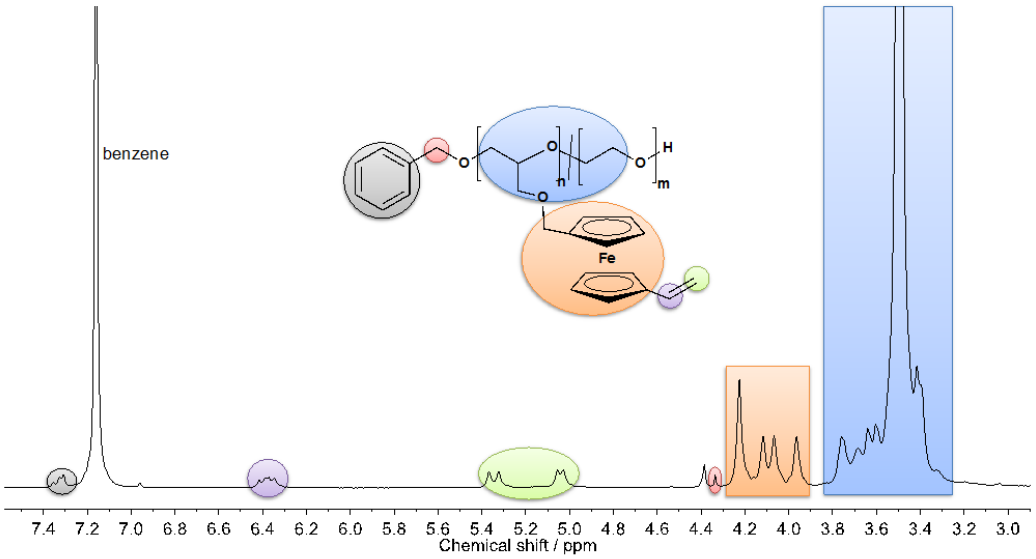

Figure S8. ^{1}H NMR (400 MHz, C_6D_6, 298 K): Peak assignment of P[EO-*co*-VfcGE] (**P2)**.

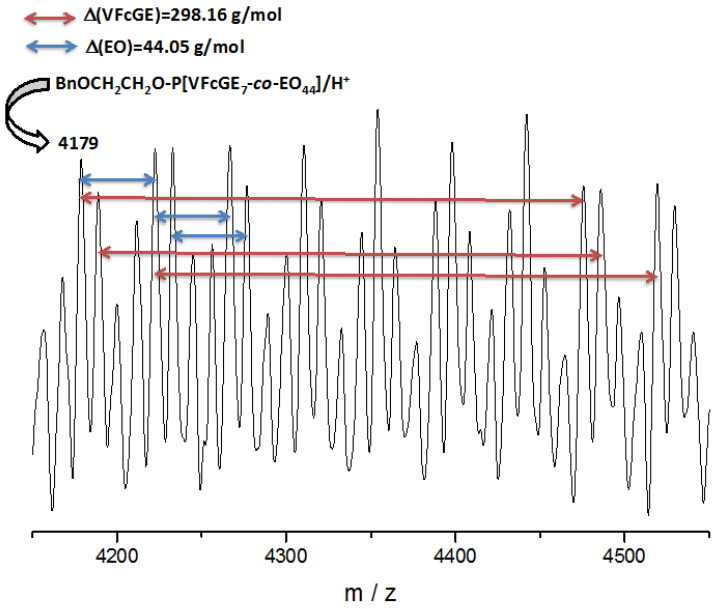

Figure S9. Zoom into the MALDI ToF mass spectrum of P[EO-*co*-VfcGE] (**P3**).

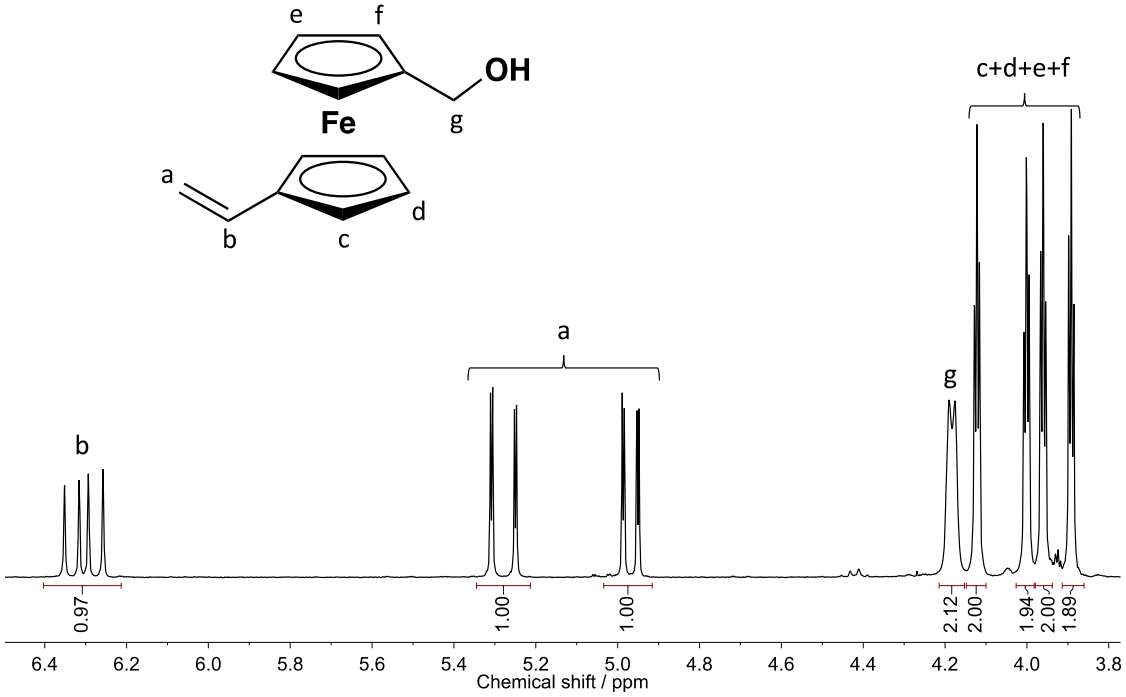

Figure S10. ^{1}H NMR (400 MHz, $CDCl_3$, 298 K) of 1-vinyl-1'-hydroxymethyl ferrocene (**6**).