

## **ELECTRONIC SUPPORTING INFORMATION**

### **Utilizing Alternative Modifications of $\alpha$ -Olefin End Groups to Synthesize Amphiphilic Block Copolymers**

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Figure S1.  $^1\text{H-NMR}$  ( $\text{CDCl}_3$ , 300 MHz, 298 K) spectrum of PIBH

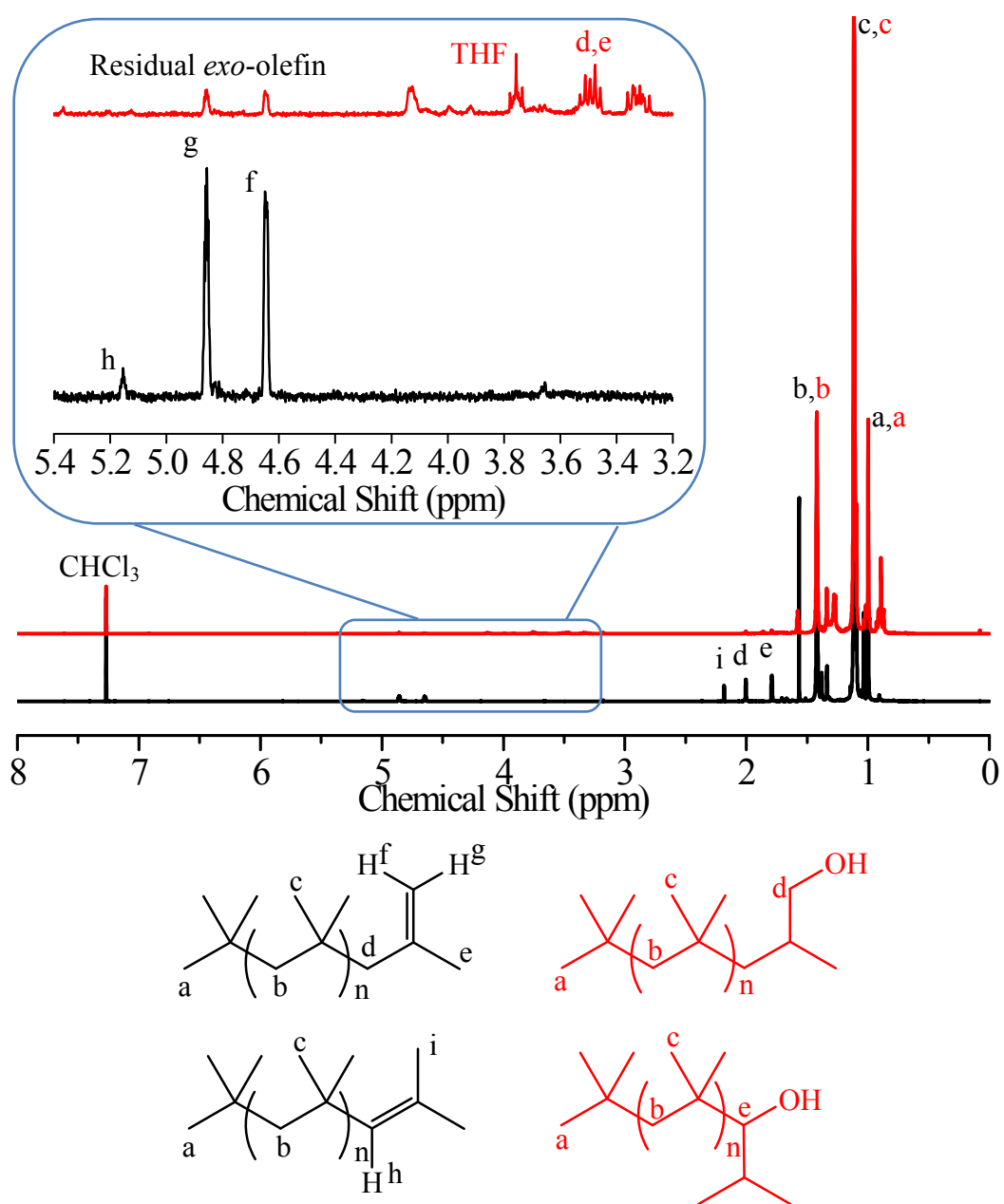


Figure S2.  $^1\text{H-NMR}$  ( $\text{CDCl}_3$ , 300 MHz, 298 K) spectrum of PIBiB

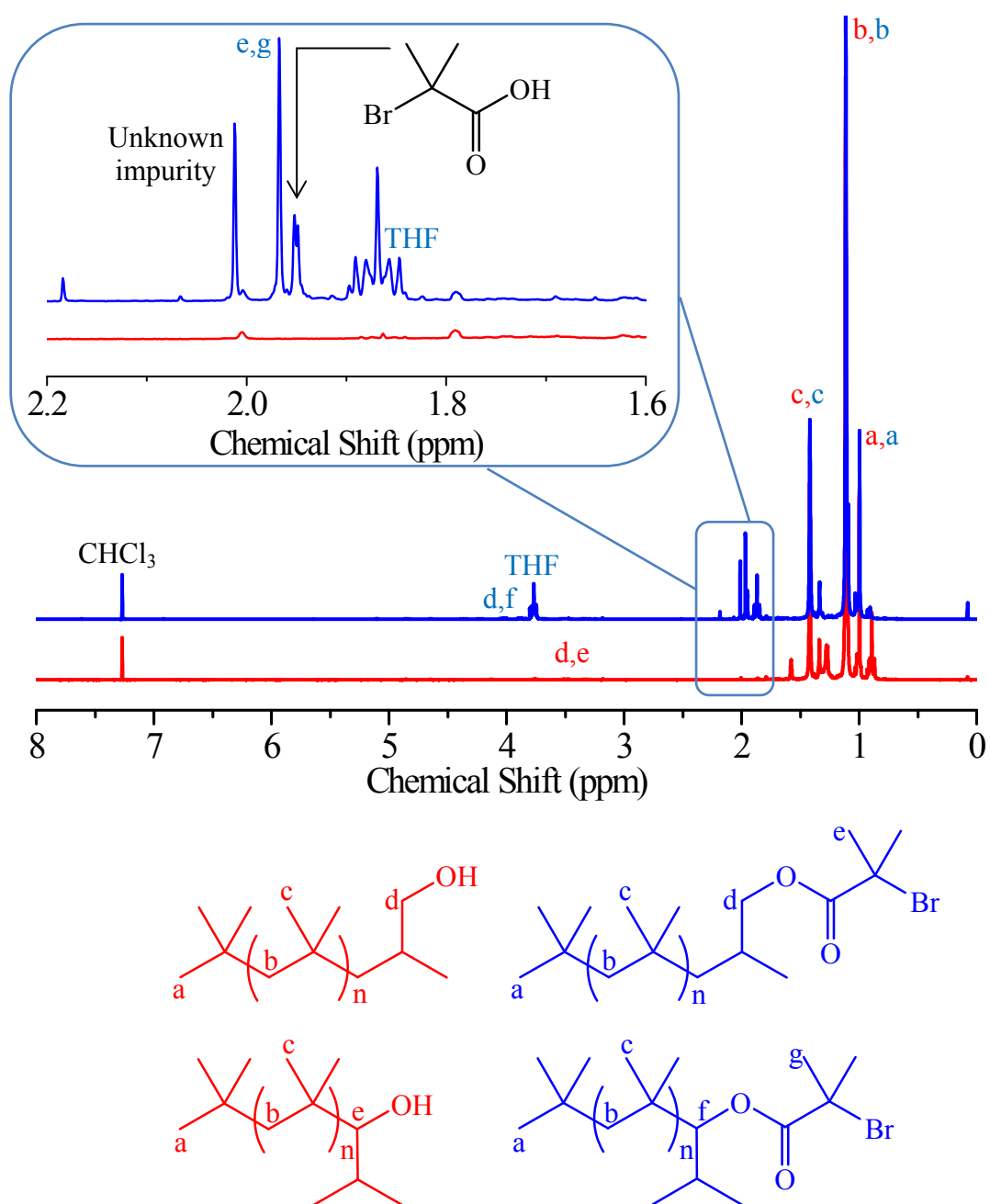


Figure S3.  $^1\text{H-NMR}$  ( $\text{CDCl}_3$ , 300 MHz, 298 K) spectrum of AEBiB with less than 5% 2-azidoethanol impurity

