Electronic Supplementary Material (ESI) for Polymer Chemistry.

Supporting Information

The Effects of Polymer Topology and Chain Length on the Antimicrobial Activity and Hemocompatibility of Amphiphilic Ternary Copolymers

Rashin Namivandi Zangeneh[a], Rebecca J. Kwan[a], Thuy-Khanh Nguyen[a], Jonathan Yeow[a], Frances L. Byrne[b], Stefan H. Oehlers[c,d], Edgar H. H. Wong[a], Cyrille Boyer*[a]*

[a]Centre for Advanced Macromolecular Design (CAMD) and Australian Centre for NanoMedicine (ACN), School of Chemical Engineering, UNSW Australia, Sydney, NSW 2052, Australia.

[b]School of Biotechnology and Biomolecular Sciences, UNSW Australia, Sydney, NSW 2052, Australia.

[c]Tuberculosis Research Program, Centenary Institute, Camperdown, NSW 2050 and Sydney Medical School, The University of Sydney, Newtown, NSW 2006, Australia.

[d]Sydney Medical School, The University of Sydney, Newtown, NSW 2006, Australia.

Corresponding author: edgar.wong@unsw.edu.au; c.boyer@unsw.edu.au

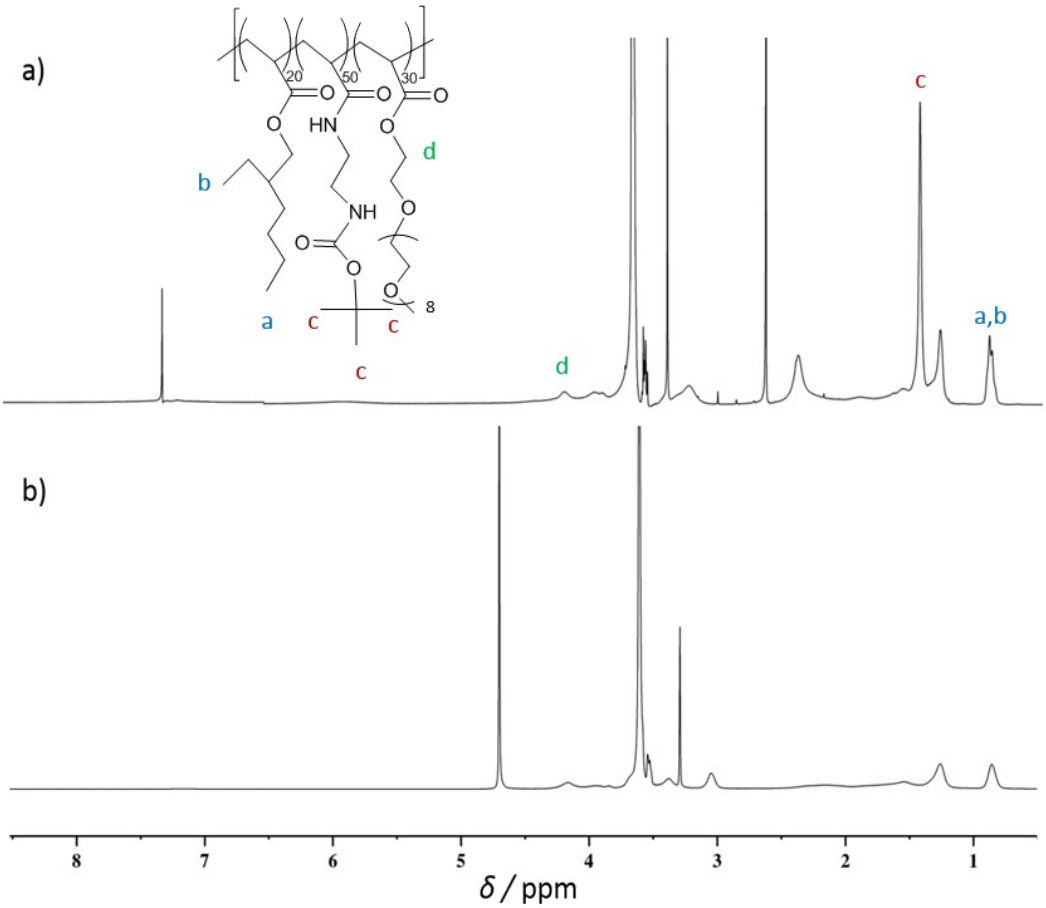

Figure S1. ^{1}H NMR spectra of Boc-protected linear random copolymer L1 in $CDCl_3$ (a) and the corresponding Boc-deprotected L1 in D_2O (b).

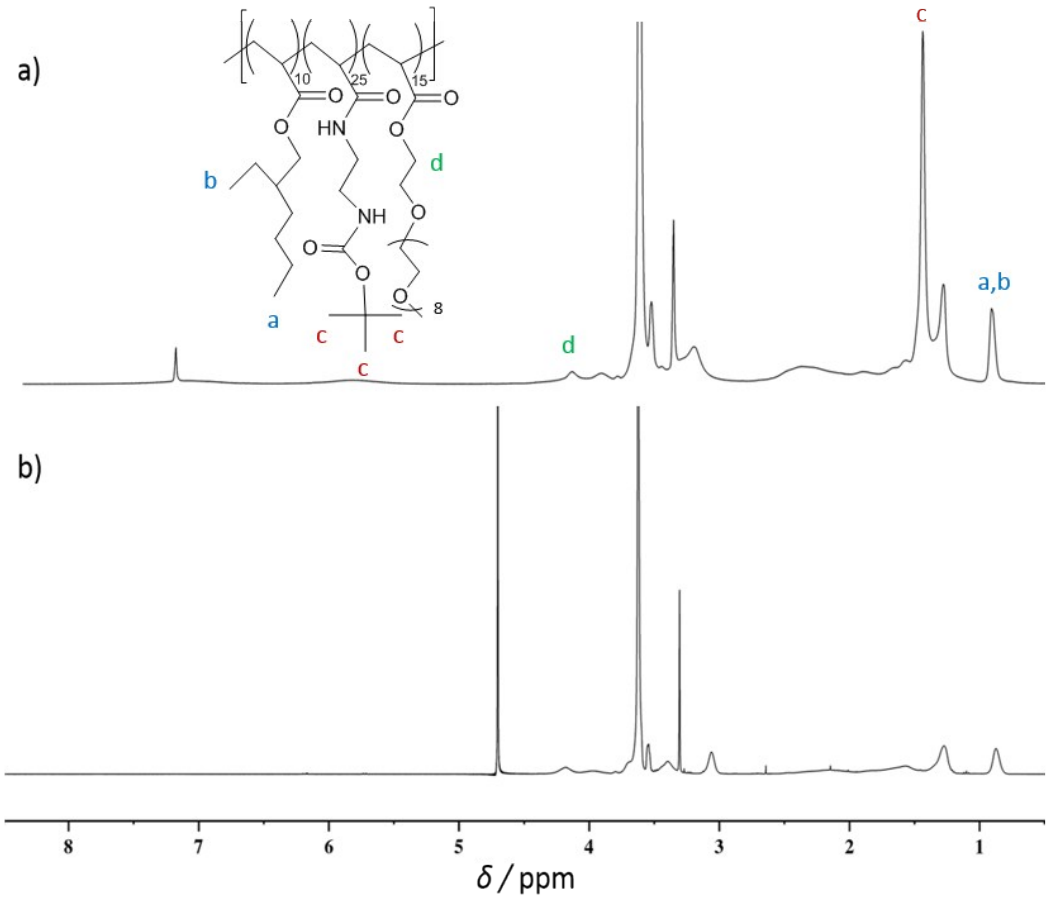

Figure S2. ^{1}H NMR spectra of Boc-protected linear random copolymer L2 in $CDCl_3$ (a) and the corresponding Boc-deprotected L2 in D_2O (b).

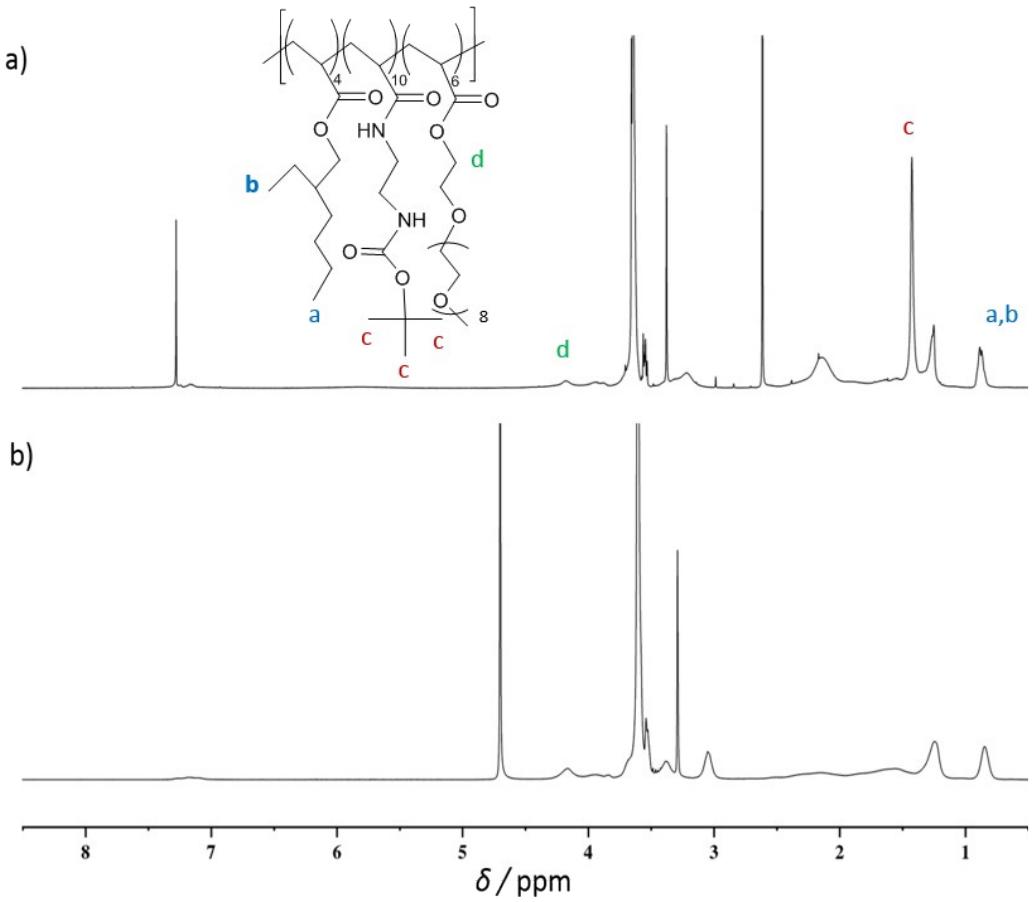

Figure S3. ^{1}H NMR spectra of Boc-protected linear random copolymer L3 in $CDCl_3$ (a) and the corresponding Boc-deprotected L3 in D_2O (b).

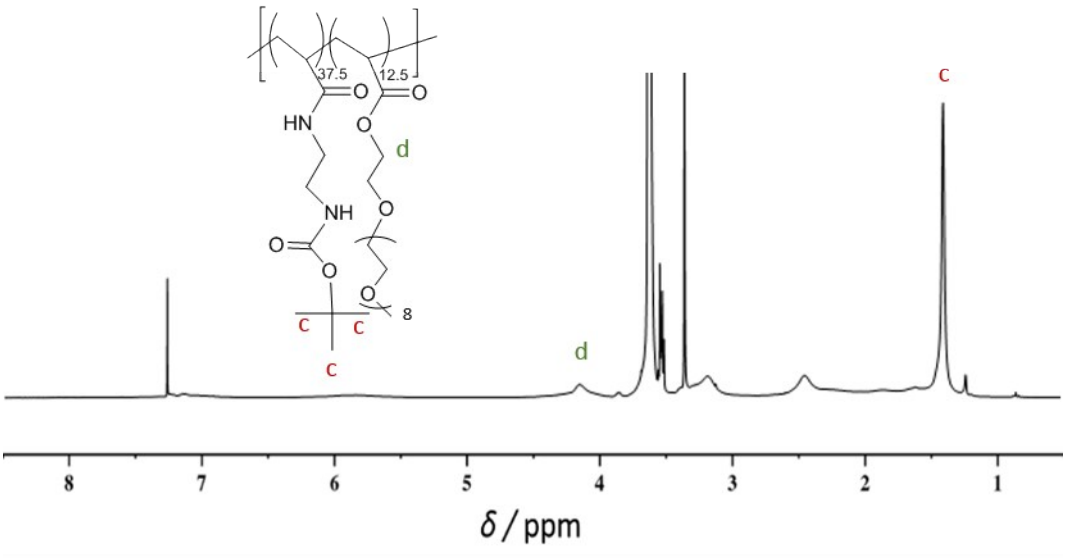

Figure S4. ^{1}H NMR spectra of Boc-protected macroRAFT agent in $CDCl_3$.

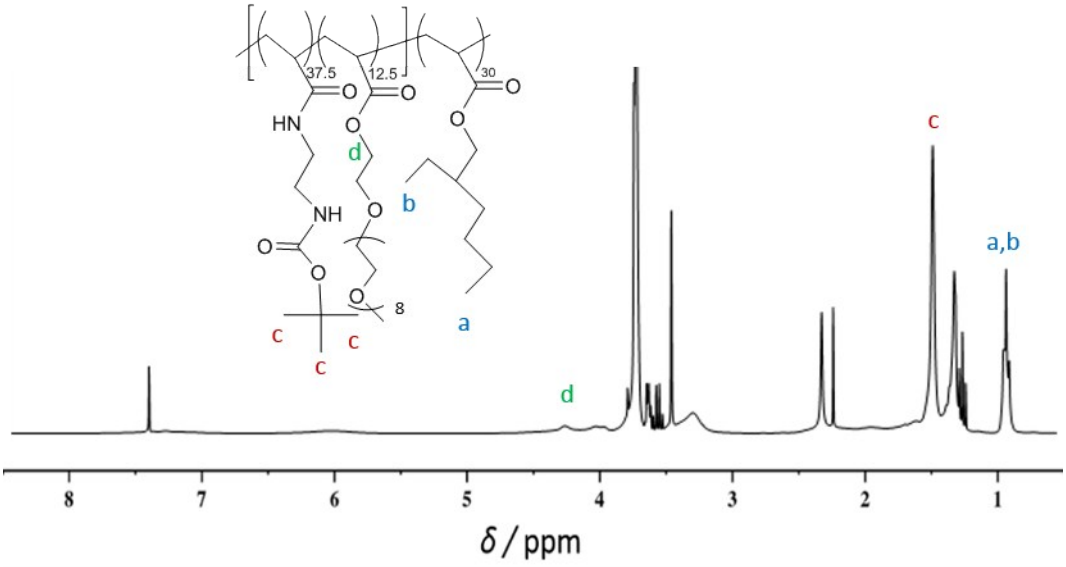

Figure S5. ^{1}H NMR spectra of Boc-protected block copolymer B1 in $CDCl_3$.

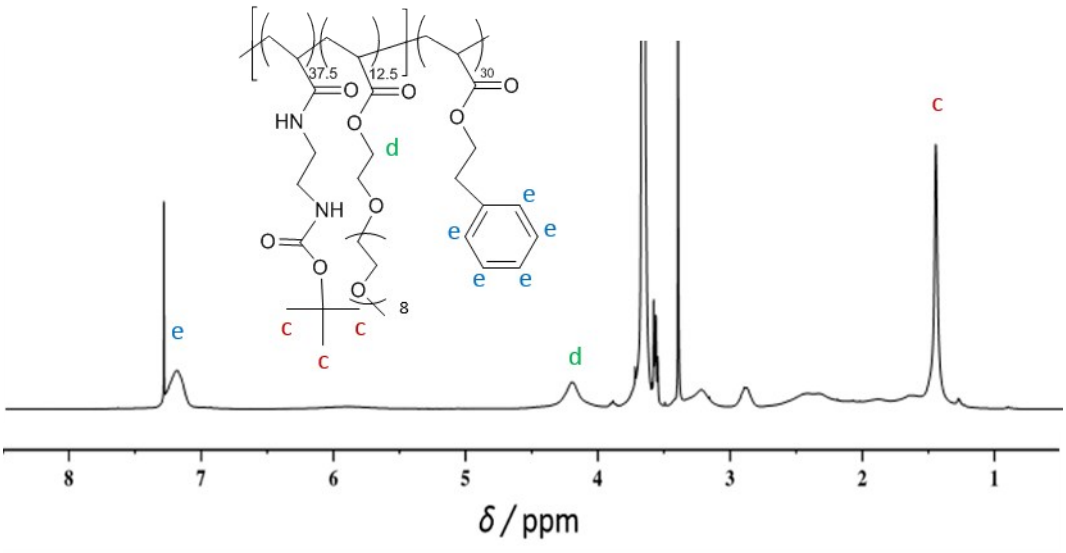

Figure S6. ^{1}H NMR spectra of Boc-protected block copolymer B2 in $CDCl_3$.

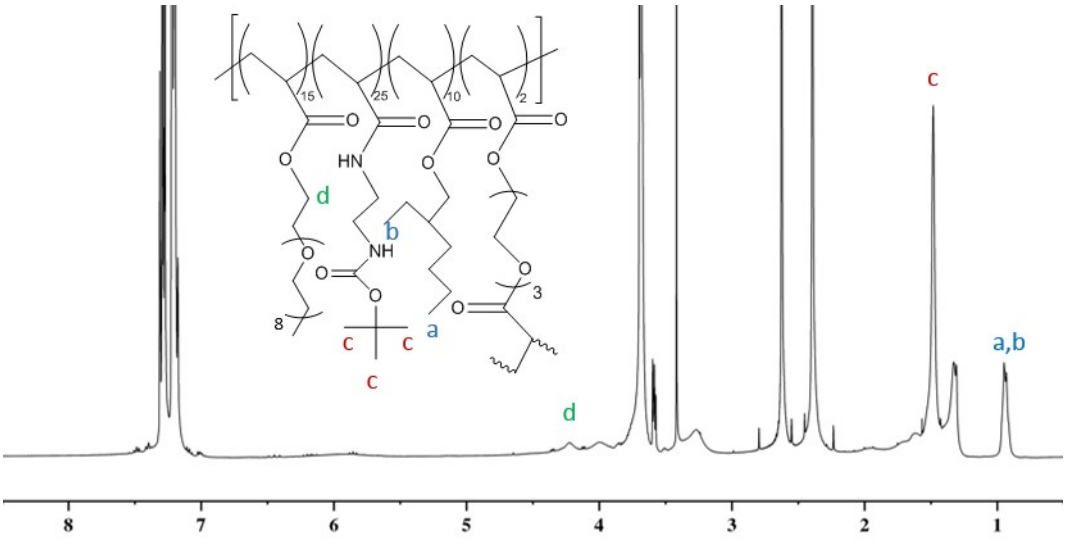

Figure S7. ^{1}H NMR spectra of Boc-protected hyperbranched polymer H1 in $CDCl_3$.

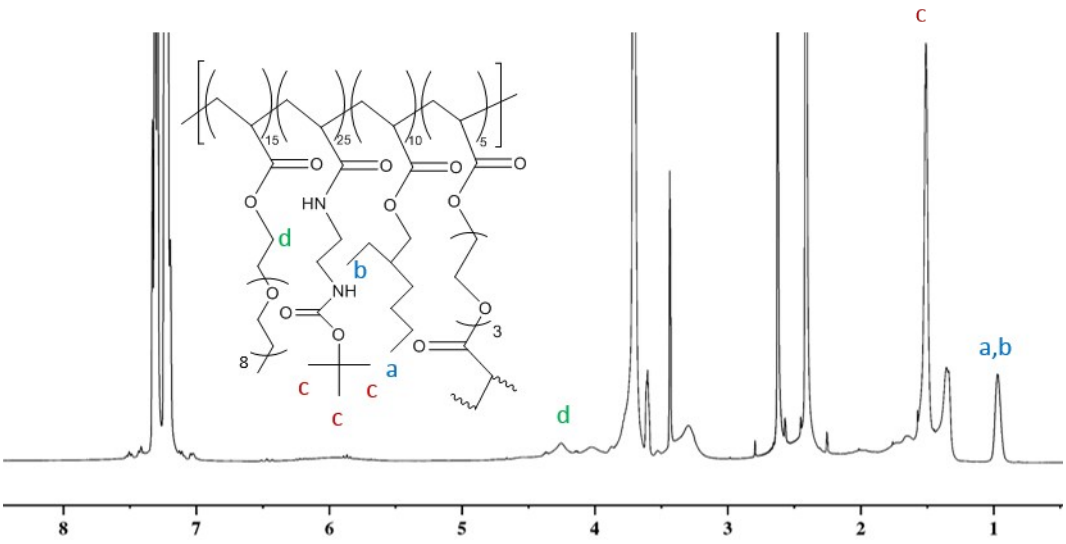

Figure S8. ^{1}H NMR spectra of Boc-protected hyperbranched polymer H2 in $CDCl_3$.