

Electronic Supplementary Information

Tailored Honeycomb-like Polymeric Films Based on Amphiphilic Poly(urea/malonamide) Dendrons

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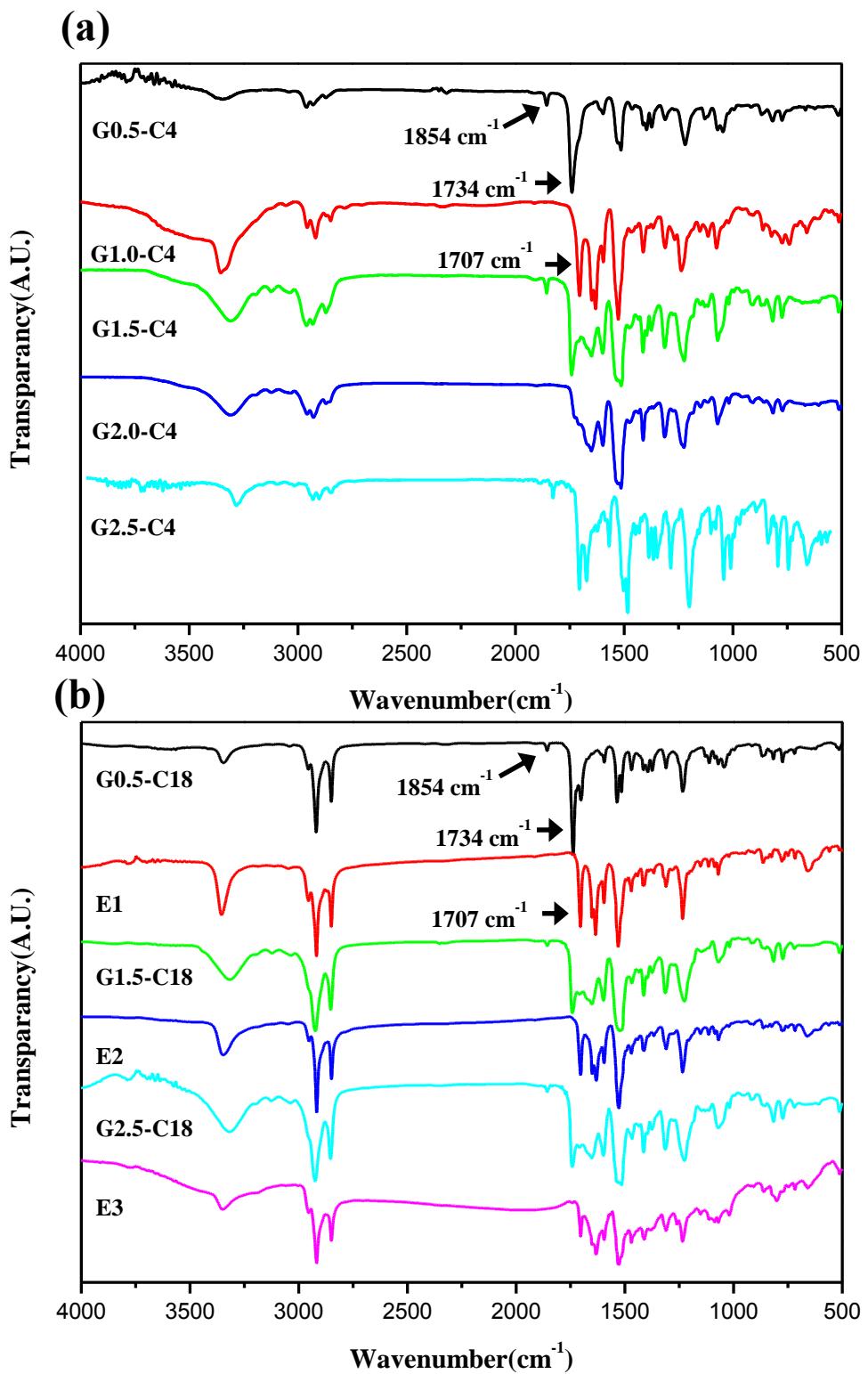
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Fig. S1 Infrared spectra of (a) poly(urea/malonamide) dendrons, (b) E-series amphiphilic poly(urea/malonamide) dendrons, and (c) B-series amphiphilic poly(urea/malonamide) dendrons.

Fig. S2 ¹H NMR spectra of poly(urea/malonamide) dendrons.

Table S1 Solubility of poly(urea/malonamide) dendrons.



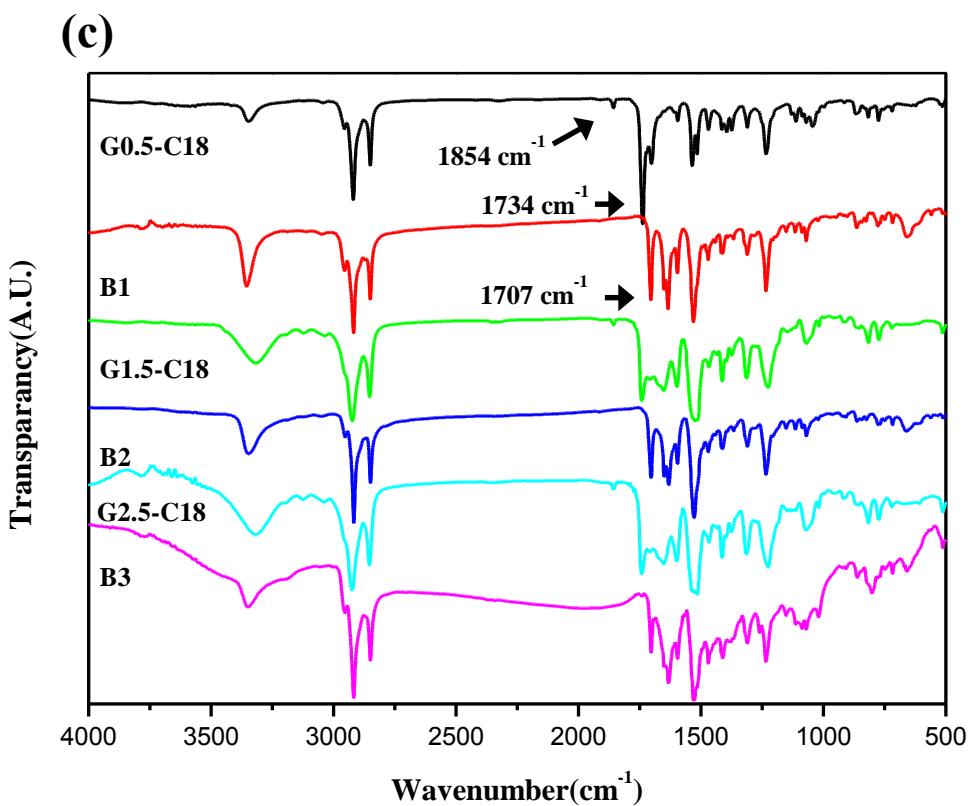
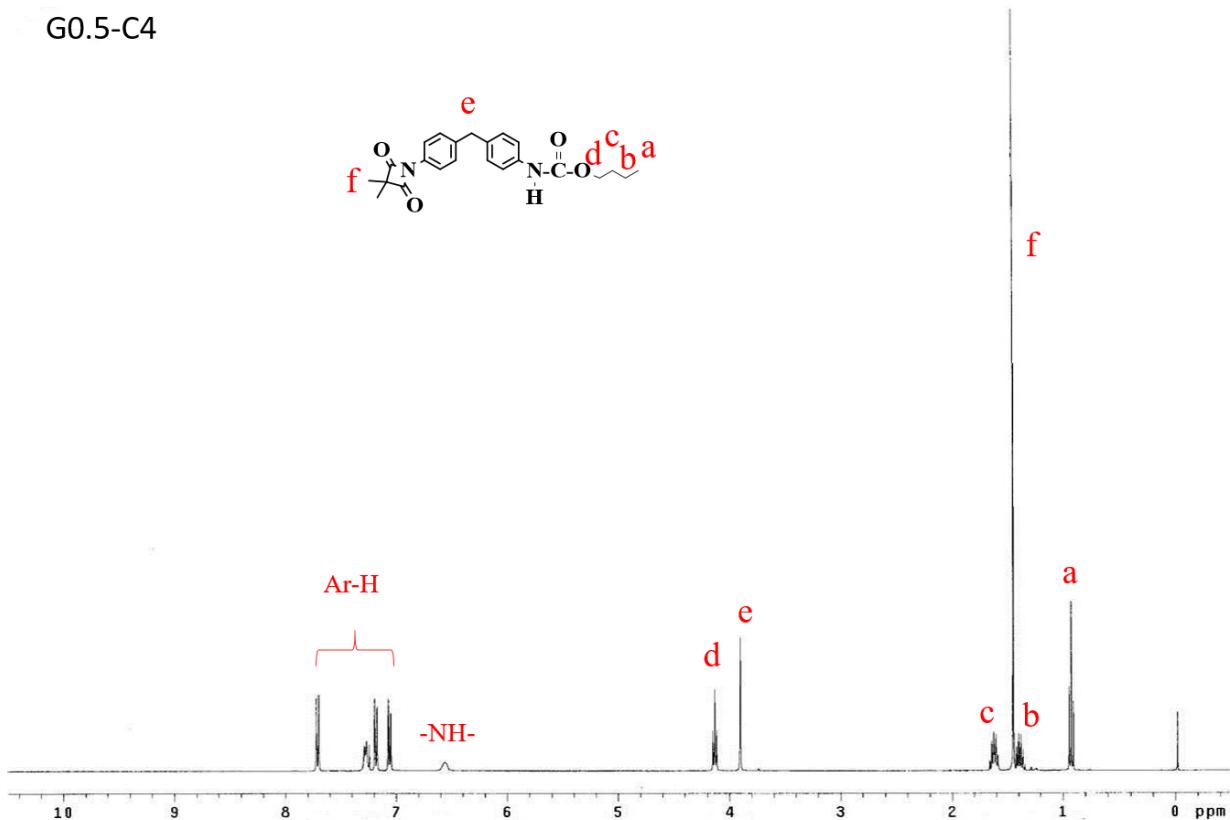
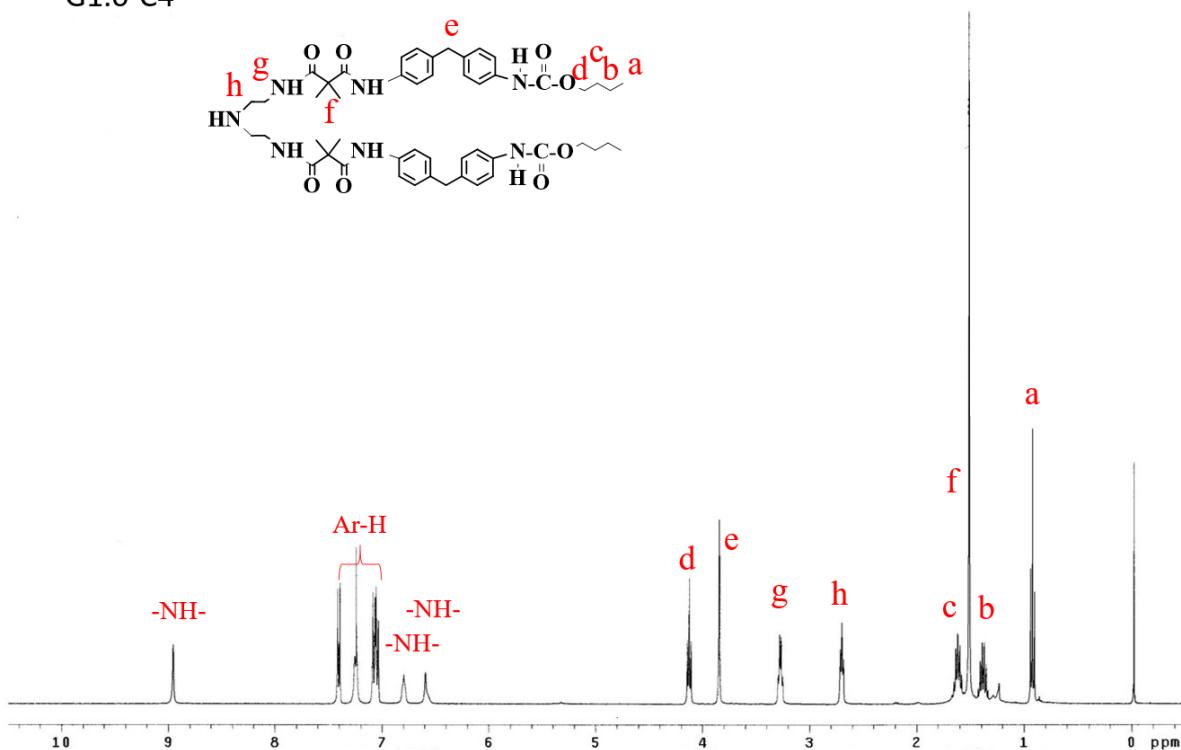


Fig. S1 Infrared spectra of (a) poly(urea/malonamide) dendrons, (b) E-series amphiphilic poly(urea/malonamide) dendrons, and (c) B-series amphiphilic poly(urea/malonamide) dendrons.

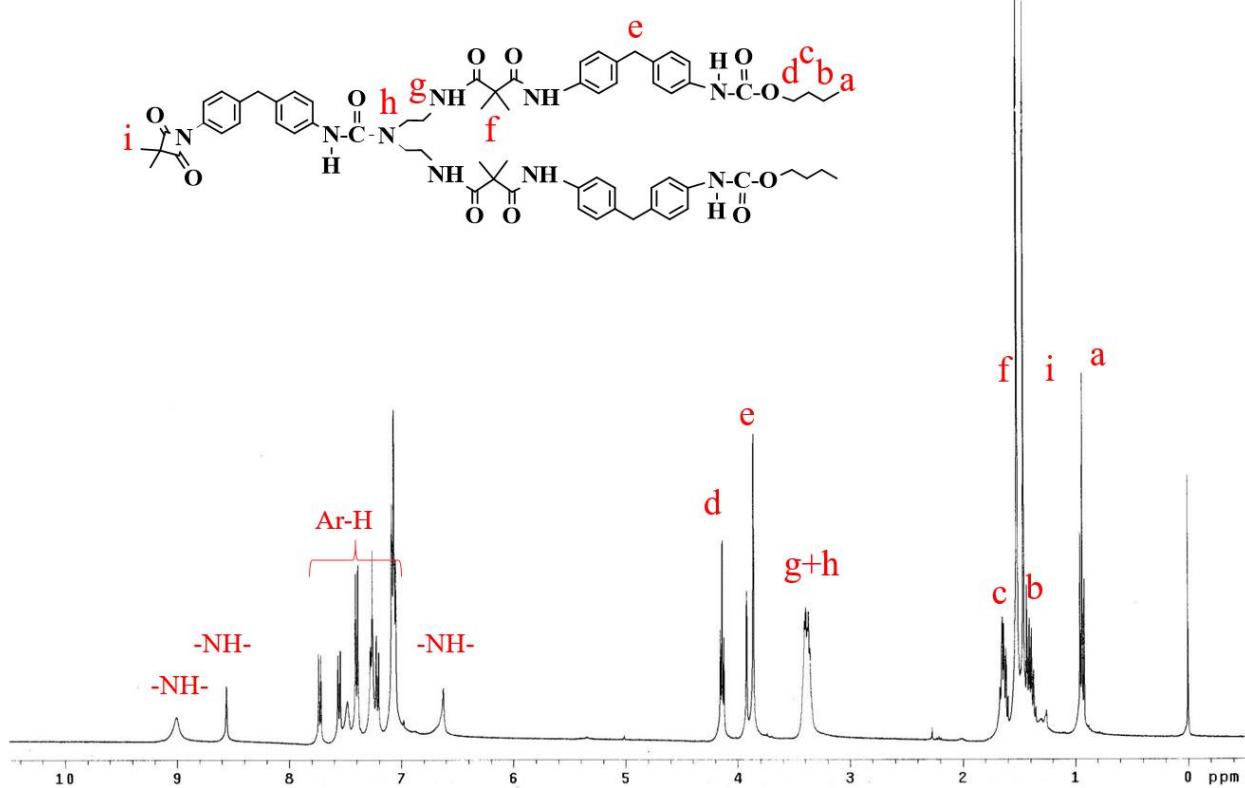
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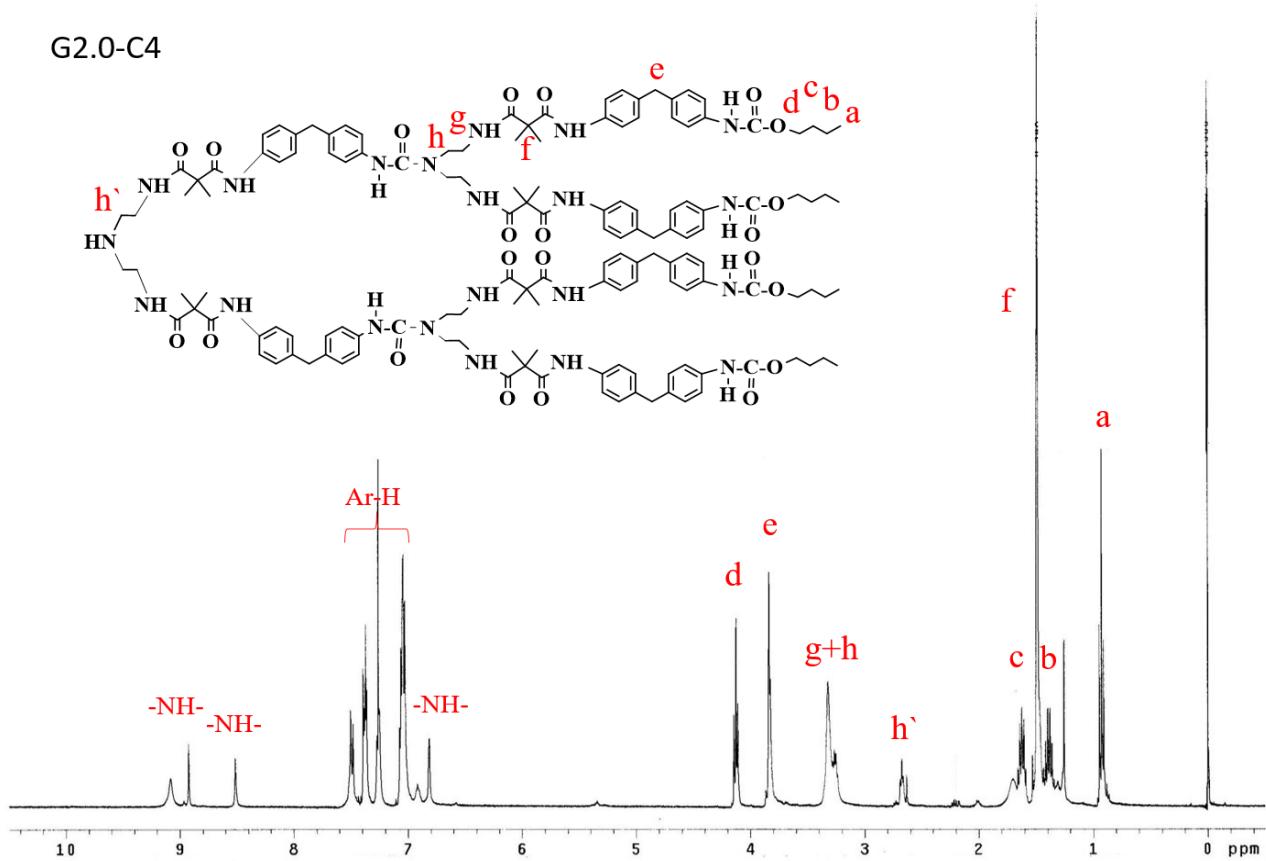
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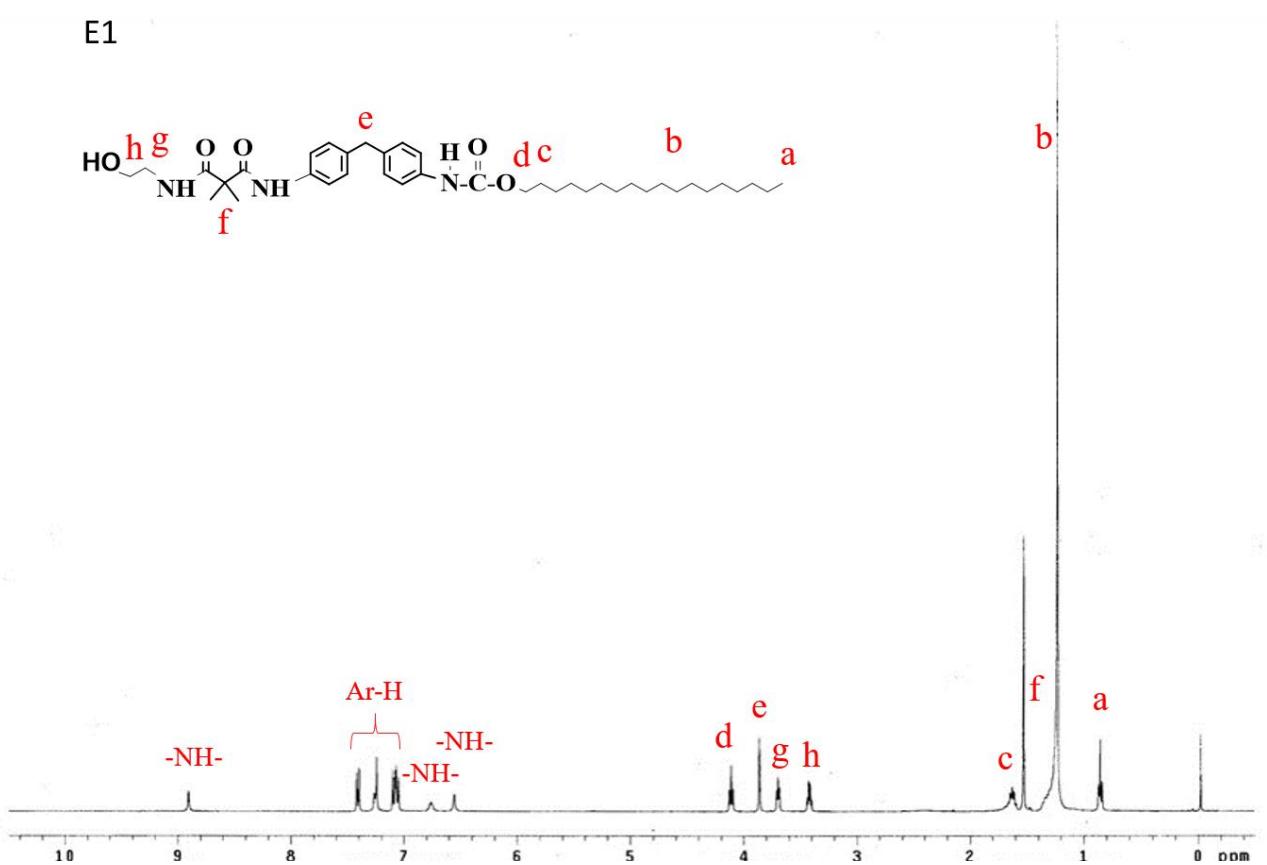
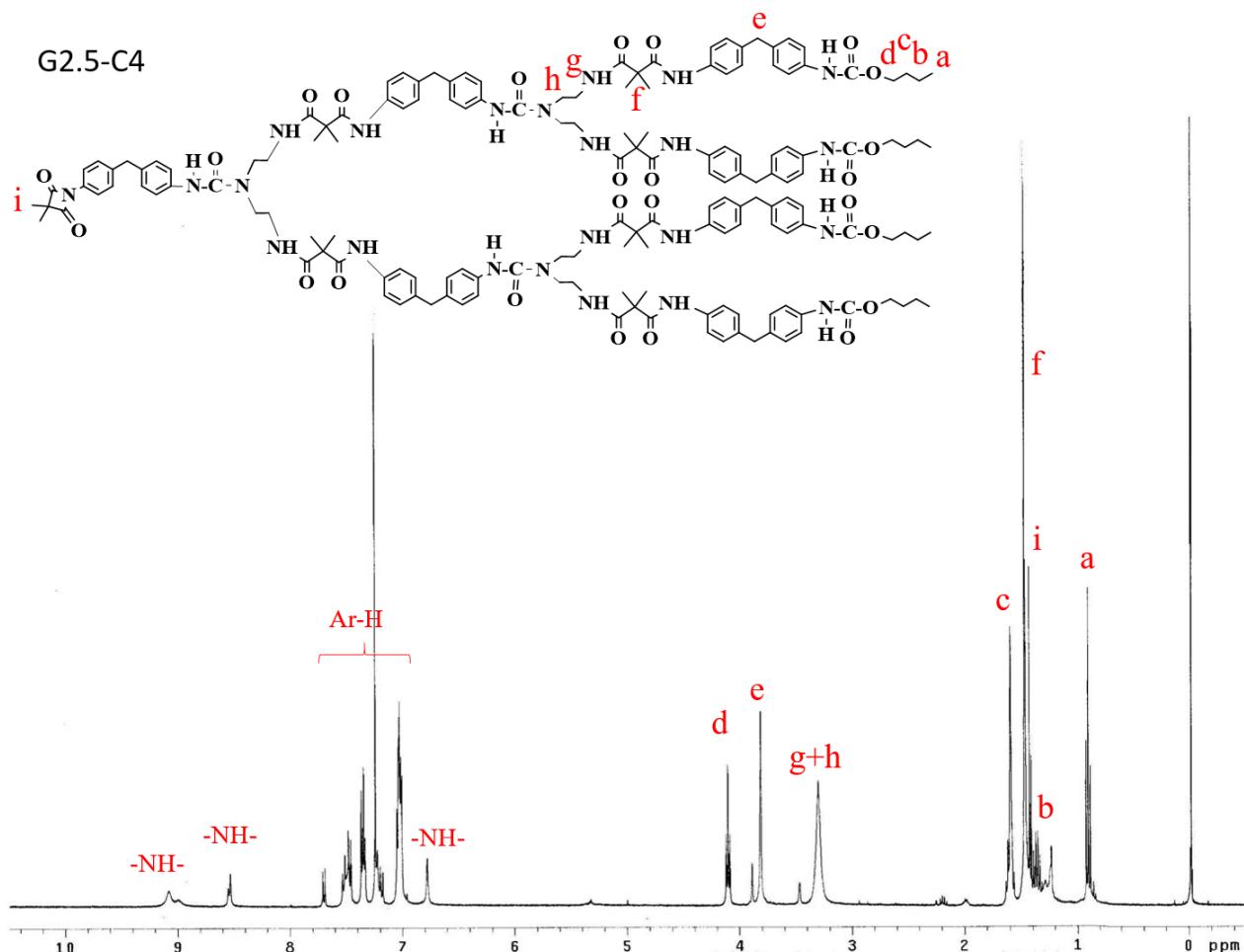


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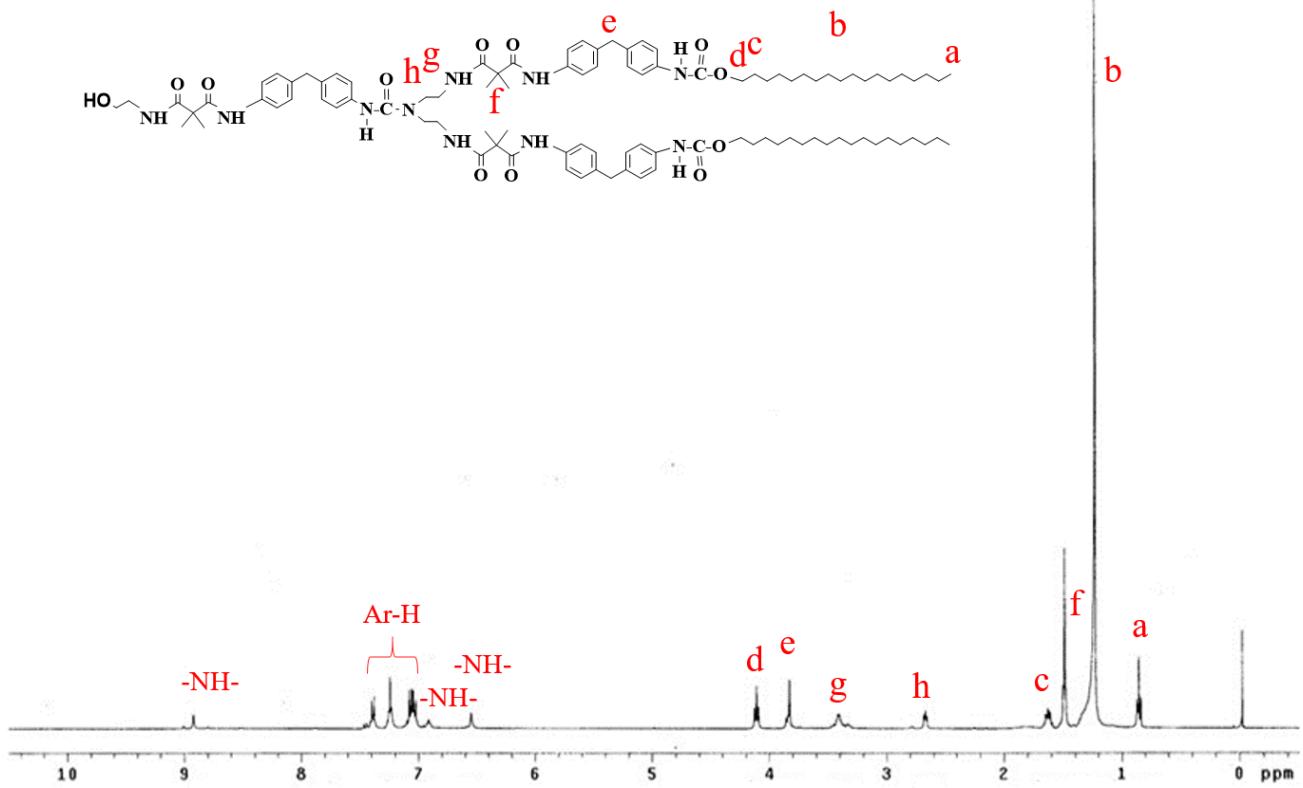


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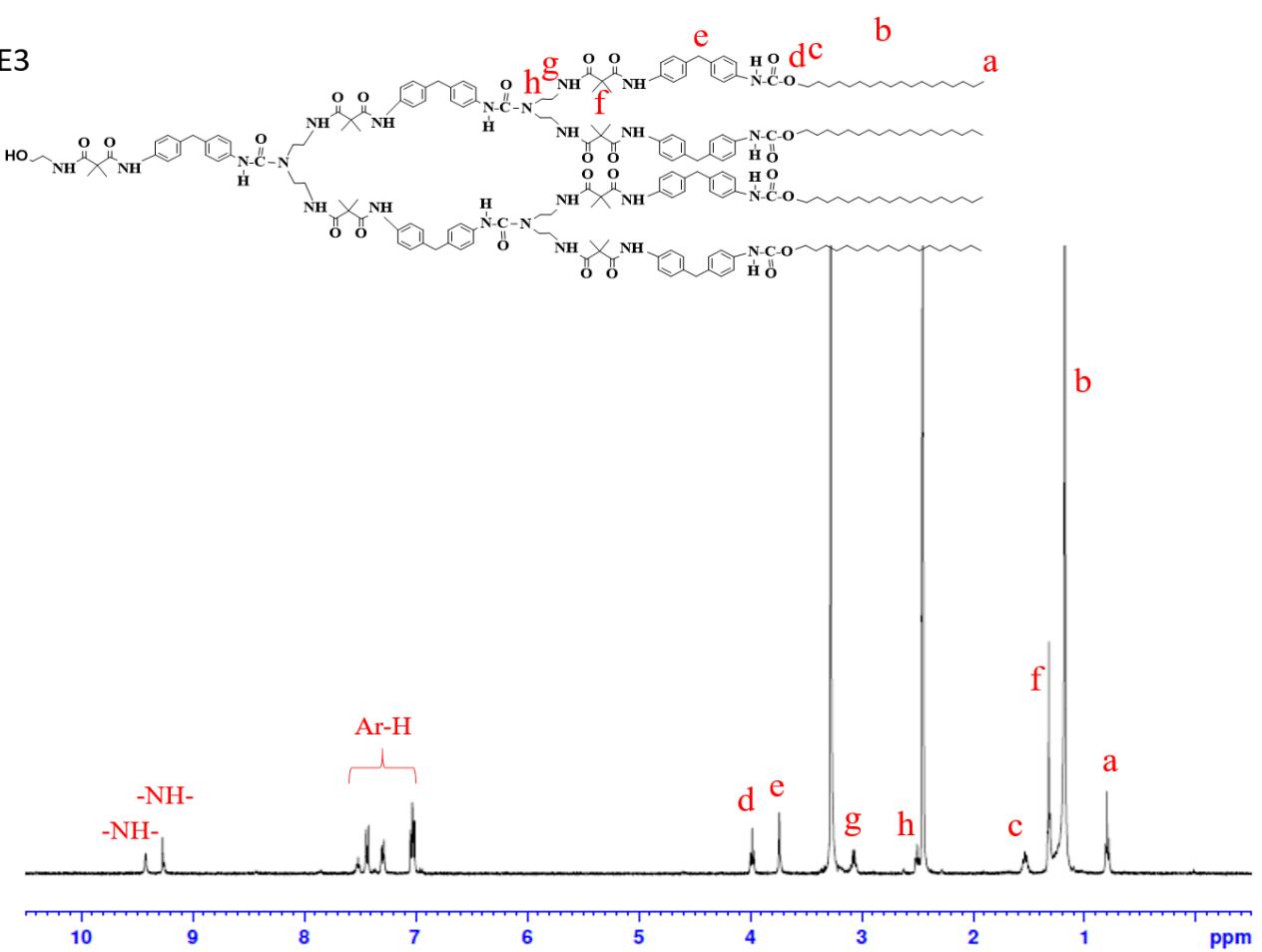




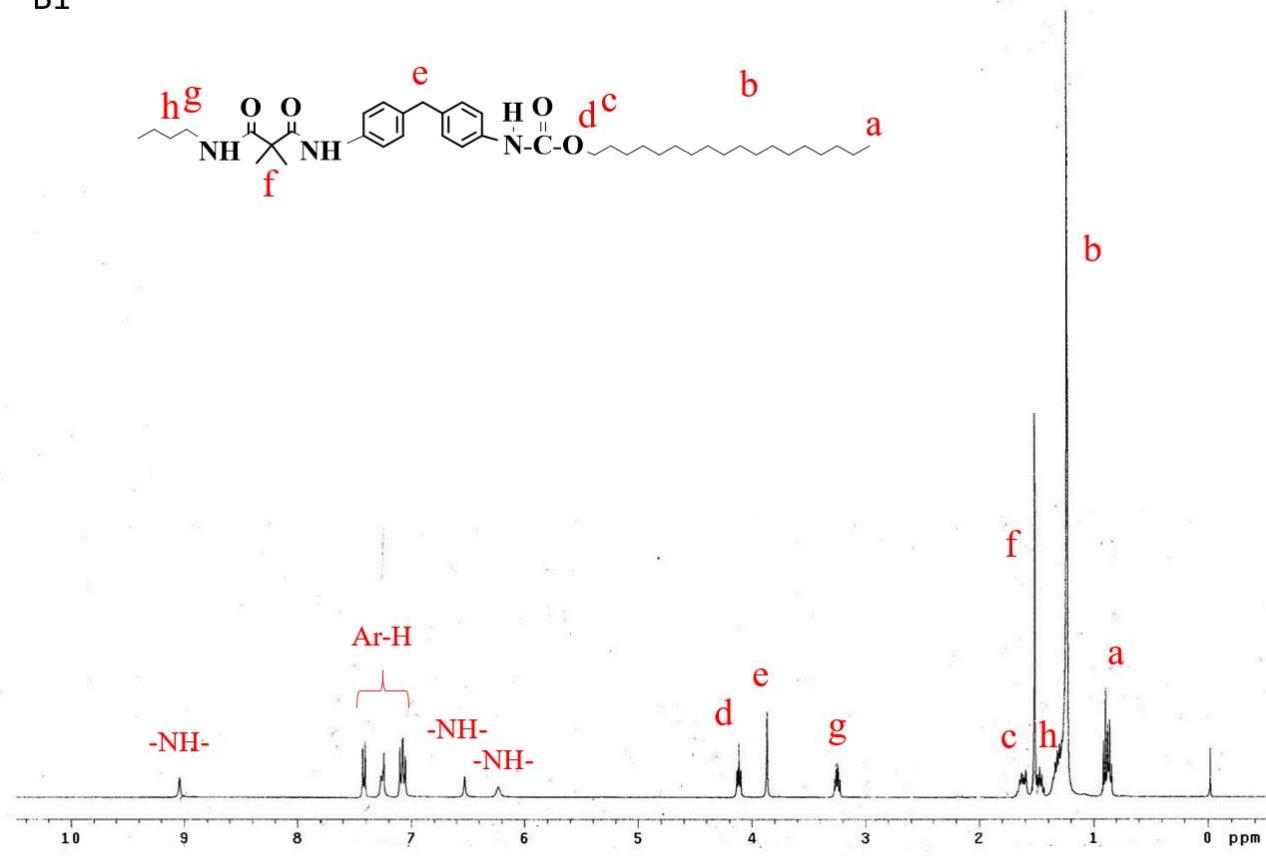
E2



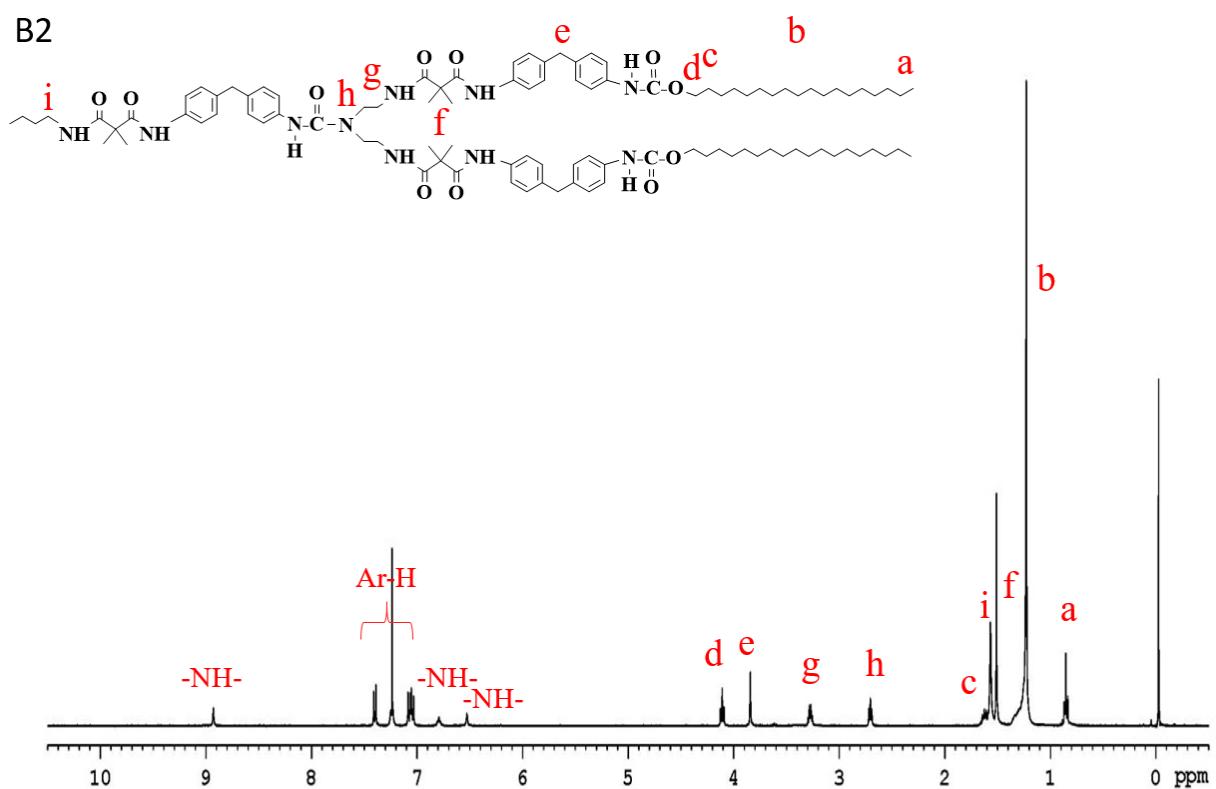
E3



B1



B2



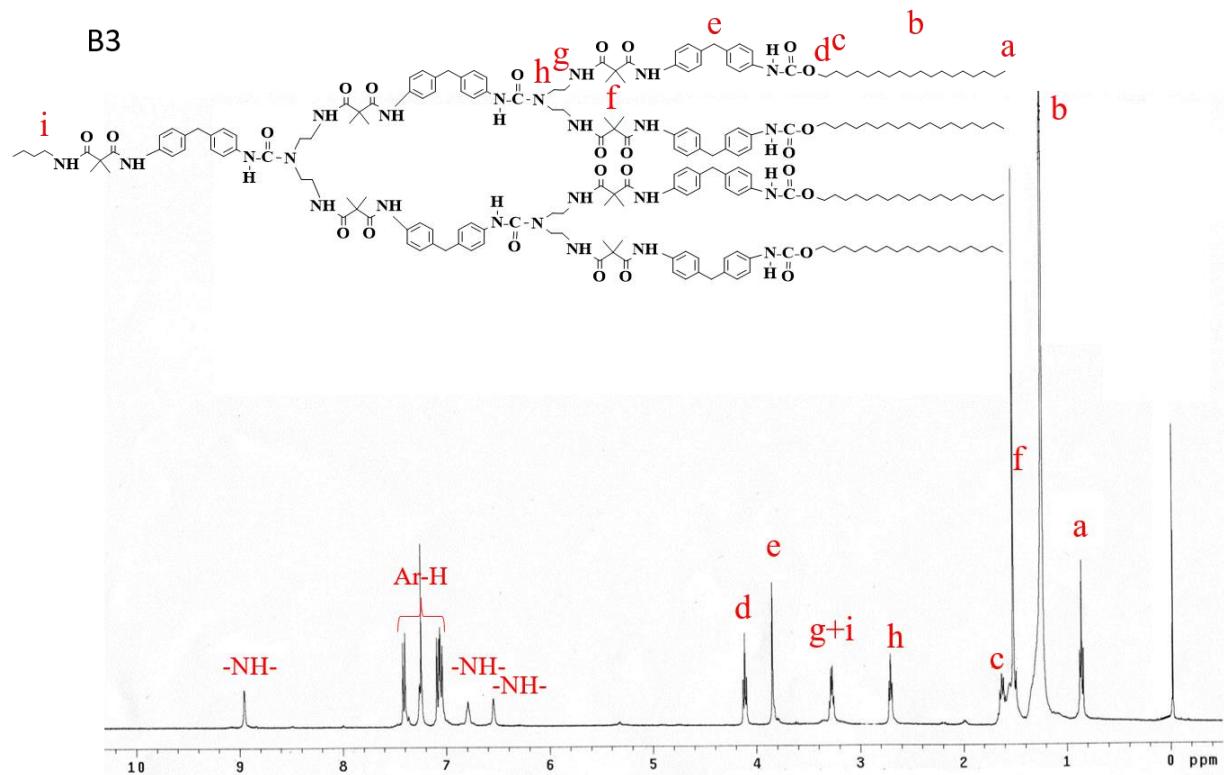


Fig. S2 ^1H NMR spectra of poly(urea/malonamide) dendrons.

Table S1 Solubility of poly(urea/malonamide) dendrons.

Sample	Toluene	Chloroform	THF	Acetone	EA	DMSO	Ethanol	Methanol
G0.5-C4	+	+	+	+	+	+	+	+
G1.0-C4	-	+	+/-	+	-	+	+/-	+/-
G1.5-C4	-	+	+	+	+	+	+	+
G2.0-C4	-	+	+	+	+	+	+/-	+/-
G2.5-C4	-	+	+	+	+	+	+/-	+/-
B1	+/-	+	+	+	+	+/-	-	-
B2	-	+	+	+/-	+	+/-	-	-
B3	-	+	+	+/-	+	+/-	-	-
E1	+/-	+	+	+	+/-	+	+/-	+/-
E2	-	+	+	+/-	-	+/-	-	-
E3	-	+	+	+/-	-	+/-	-	-
A1	-	+	+	+	+	+	+/-	-
A2	+/-	+	+	+	+	+	-	-
A3	+	+	+	+	+	+	-	-

Qualitative solubility were determined with 10 mg of samples in 1 ml of solvent.

+: soluble at RT; +/: soluble after heating to 60 °C; -: Insoluble even at 60 °C.