Supporting Information

Synthesis of Star-Glycopolymers by Cu(0)-mediated Radical Polymerisation in the Absence and Presence of Oxygen

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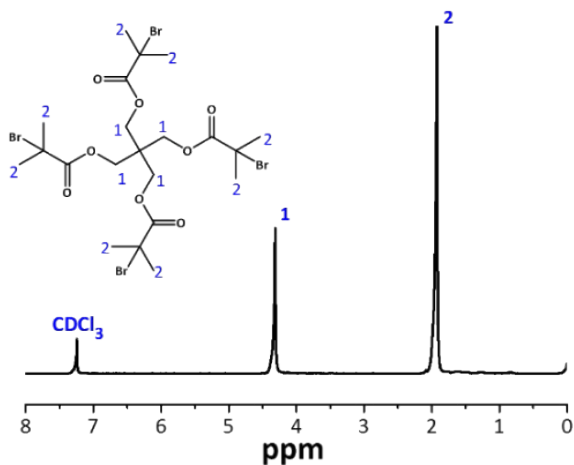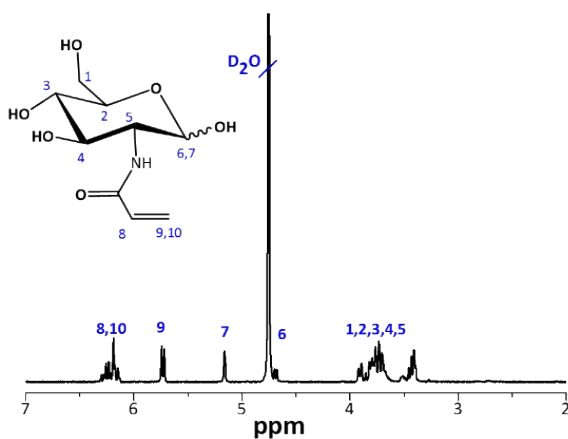

Fig. S1 ^{1}H-NMR spectrum of star initiator in CDCl$_3$.
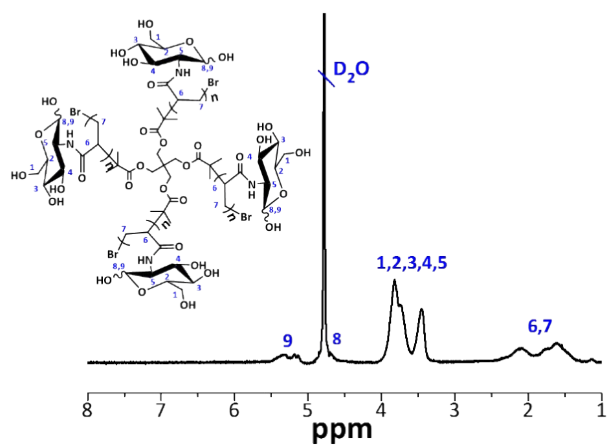

Fig. S2 ^{1}H-NMR spectrum of AGA in D$_2$O.

Fig. S3 Typical ^{1}H-NMR spectrum of star-PAGA in D$_2$O.

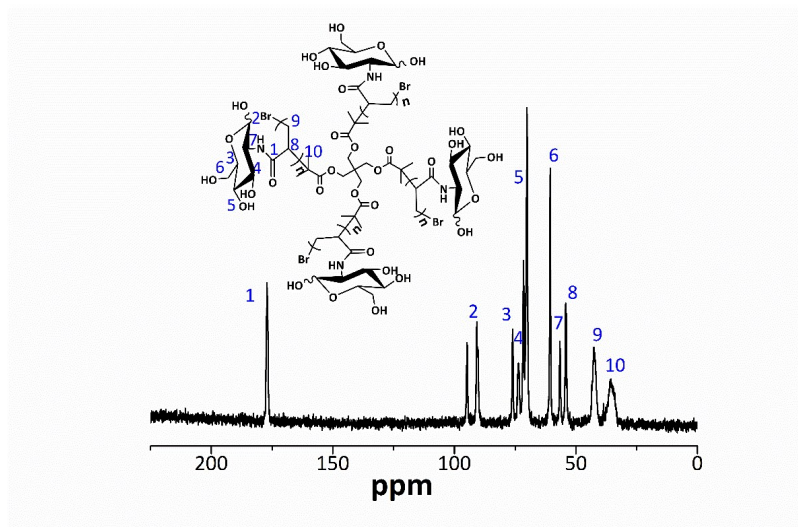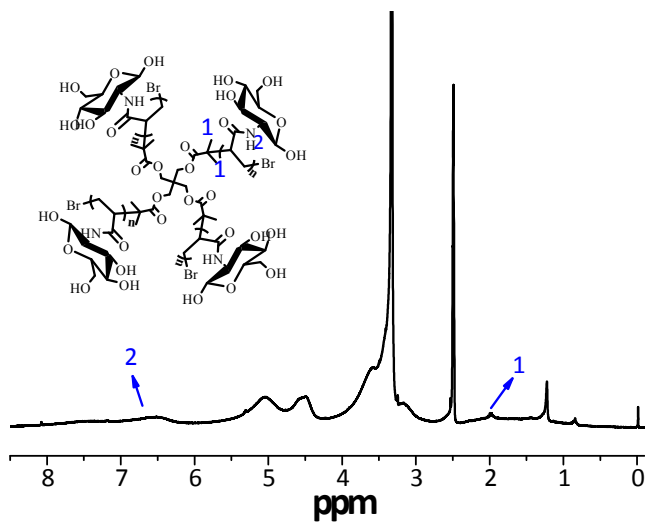**Fig. S4** Typical ^{13}C-NMR spectrum of star-PAGA in D$_2$O.

Fig. S5 Typical ^{1}H-NMR spectrum of star-PAGA in DMSO-d$_6$.

Table. S1 The 4-arm star glycopolymers molecular weight results measured by GPC and ^{1}H-NMR.

Polymer	Conversion (%)	Mn (theoretical)	Mn (by GPC)	PDI (by GPC)	Integration $_{NMR}$ (-CH$_3$: -CONH-)	Mn (by NMR)
1	34.2	13400	10400	1.67	24: 46.2	11500
2	36.7	14400	18700	1.45	24: 84.8	20500
3	75.7	28900	29200	1.55	24: 133.7	31900