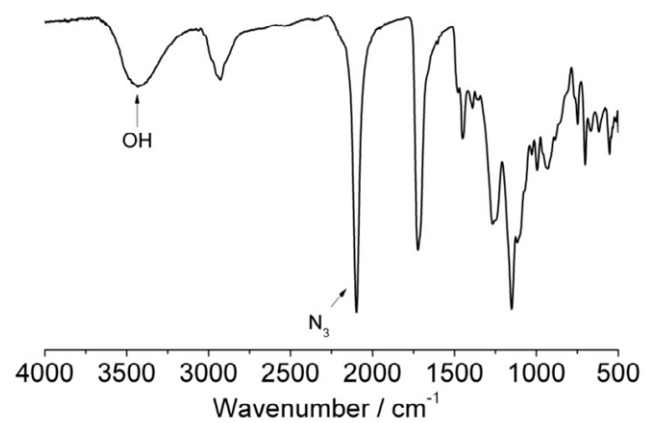
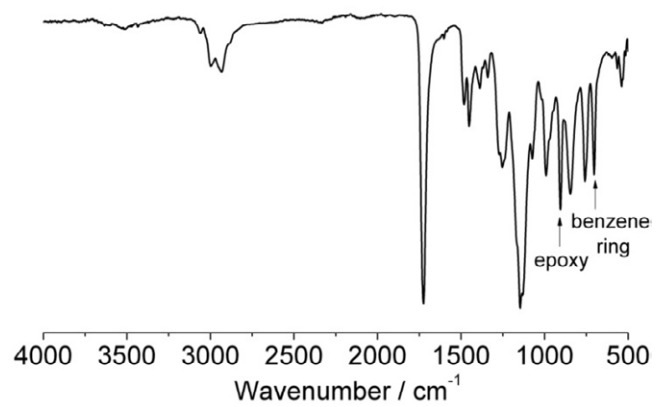
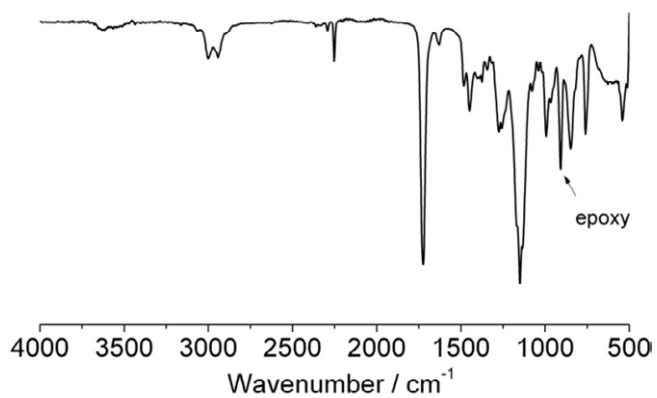


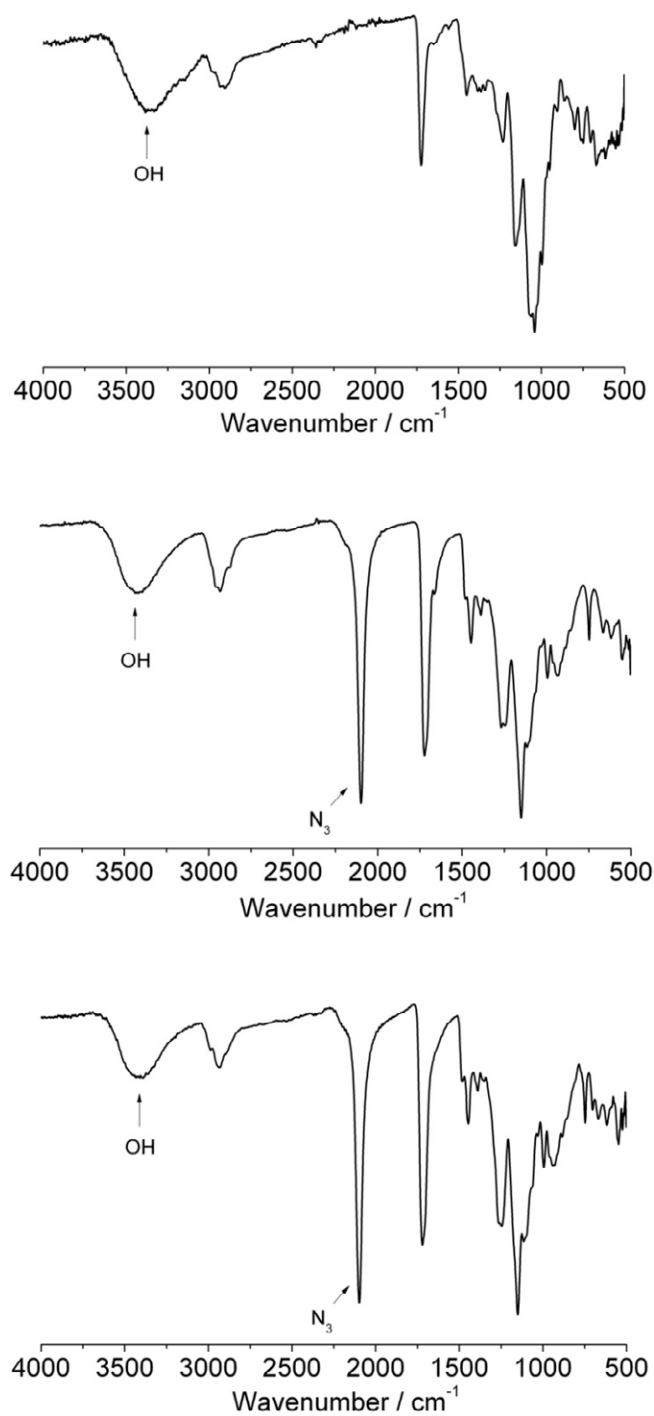
Electronic Supporting Information

Terminal functional glycopolymers via a
combination of catalytic chain transfer
polymerisation (CCTP) followed by three
consecutive click reactions

**Qiang Zhang, Stacy Slavin, Mathew W. Jones, Alice J.
Haddleton and David. M. Haddleton***

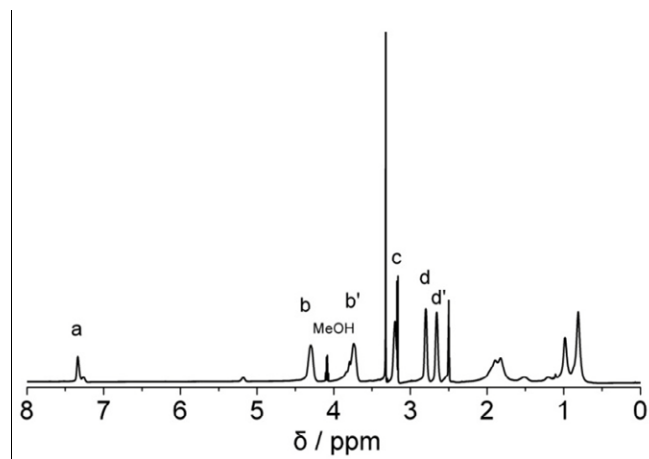
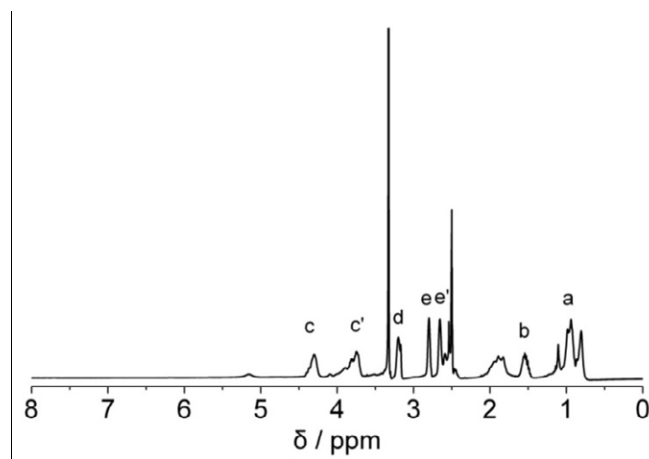
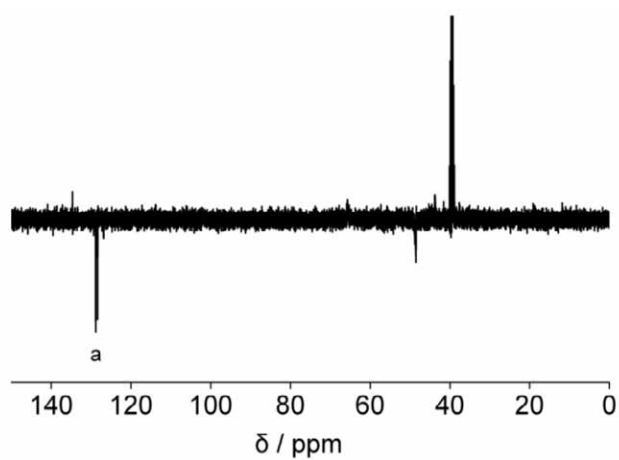
IR spectra of synthesised and modified polymers

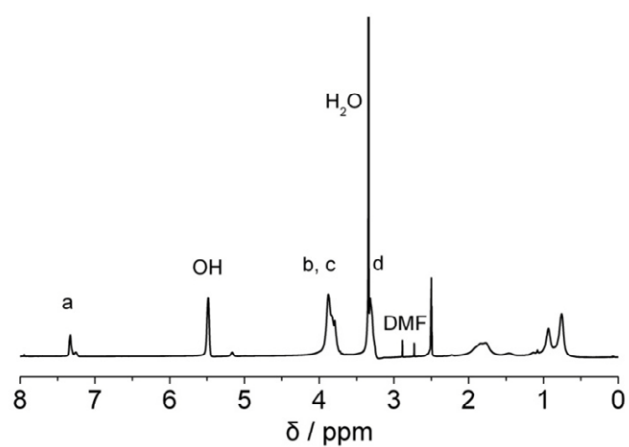
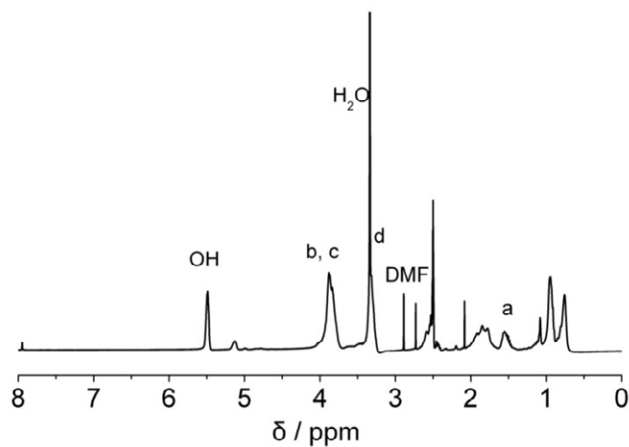




ESI Figure 1. FT-IR spectra of (a) PGMA **1**, (b) benzyl end-functionalized polymer **3**, (c) azide functionalized polymer **6**, (d) benzyl end-functionalized fucose-functional glycopolymer **12**, (e) azide functionalized polymer **7**, (f) azide functionalized polymer **8**.

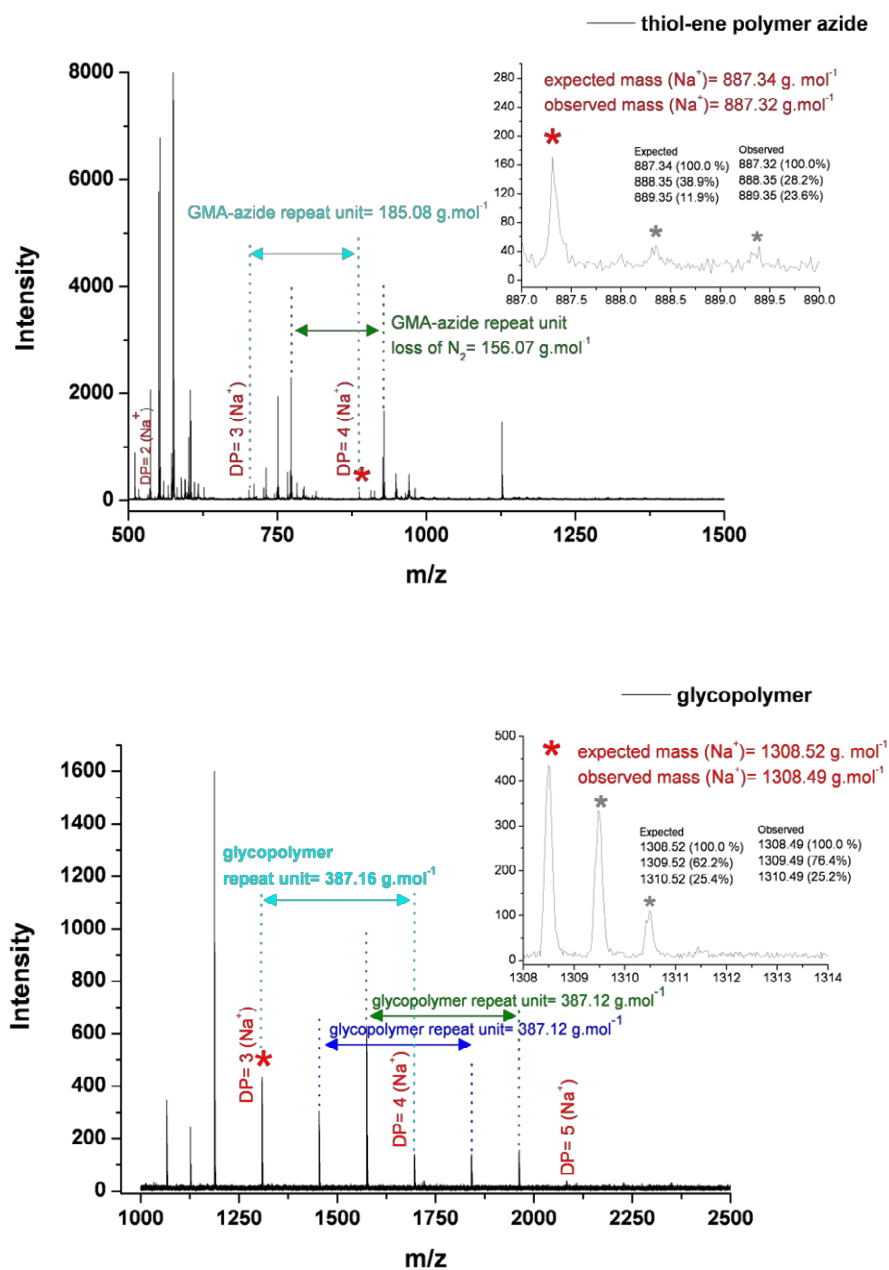
NMR spectra of synthesised and modified polymers





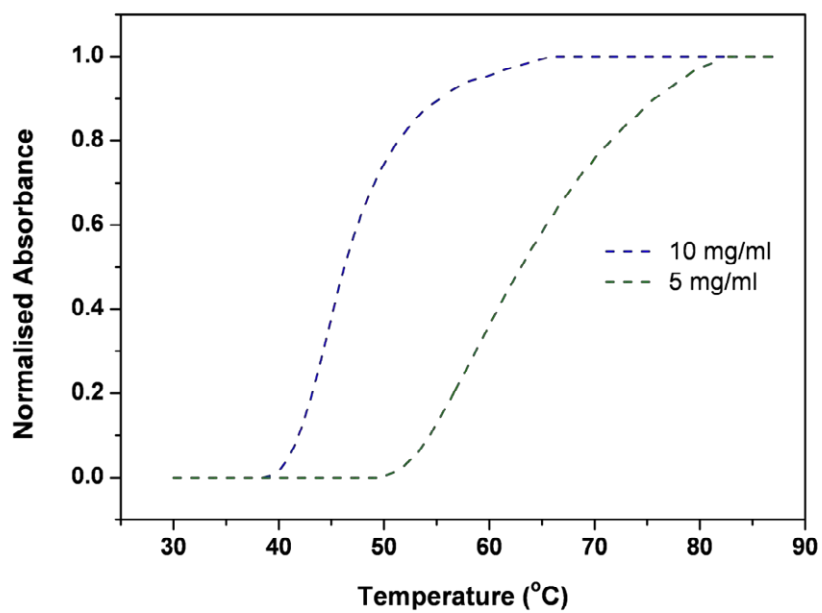
ESI Figure 2. ^{13}C NMR spectrum of (a) benzyl end-functionalized polymer **3** in $\text{DMSO-}d_6$ and ^1H NMR spectra of (b) propyl end-functionalized polymer **4** in $\text{DMSO-}d_6$, (c) benzyl end-functionalized polymer **5** in $\text{DMSO-}d_6$, (d) azide functionalized polymer **7** in $\text{DMSO-}d_6$, (e) azide functionalized polymer **8** in $\text{DMSO-}d_6$,

MALDI-ToF-MS spectra of synthesised and modified polymers



SI Figure 3. MALDI-ToF-MS spectra of (a) thiol-ene and sodium azide modified polyGMA and (b) resulting glycopolymer following CuAAC with alkyne-functional fucose.

Thermoresponsive analysis of polymer (10)



SI Figure 4. Thermoresponsive analysis of polymer (10).