

Electronic Supplementary Information

Metal-Free Click Polymerization of Propiolates and Azides: Facile Synthesis of Functional Poly(aroxycarbonyltriazole)s

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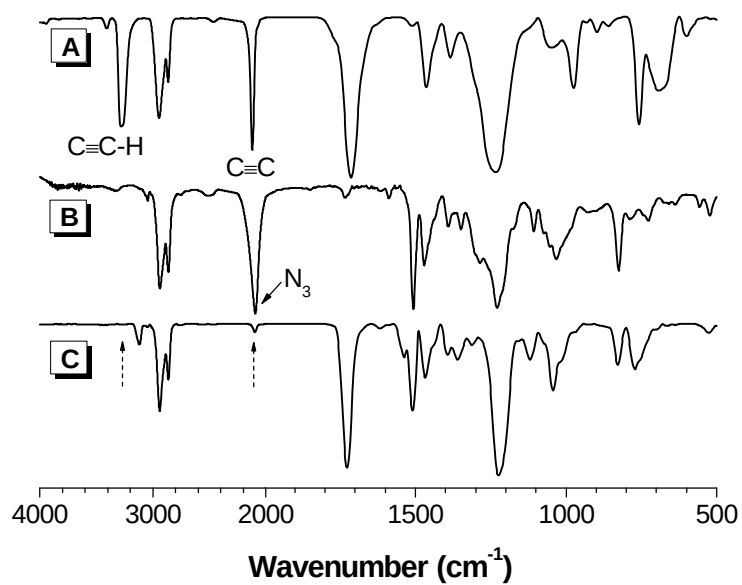


Fig. S1 IR spectra of monomers **2a** (A) and **9** (B) and their polymer **PII** (C).

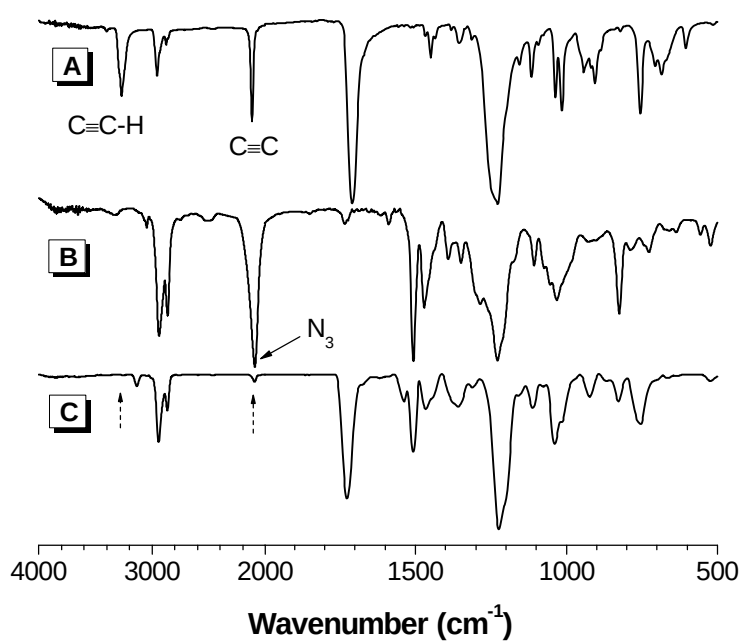


Fig. S2 IR spectra of monomers **2b** (A) and **9** (B) and their polymer **PIII** (C).

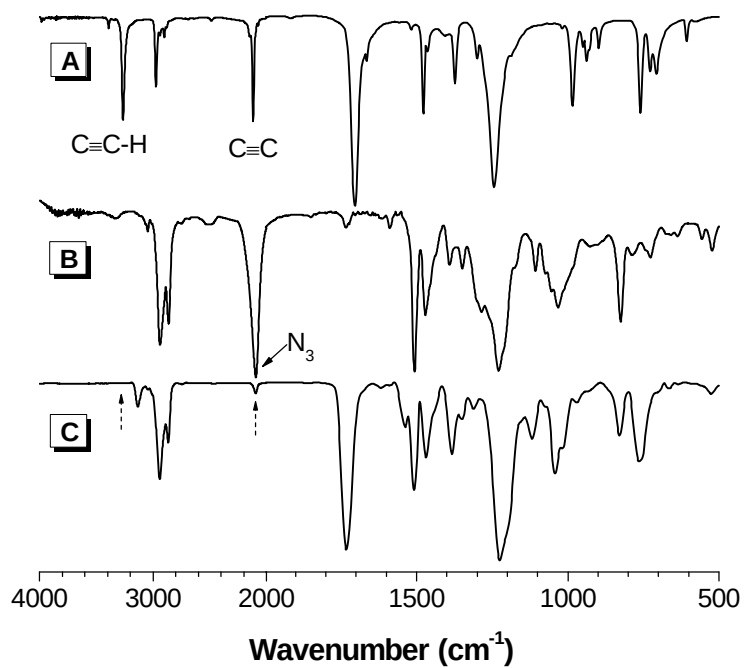


Fig. S3 IR spectra of monomer **2c** (A) and **9** (B) and their polymer PIV (C).

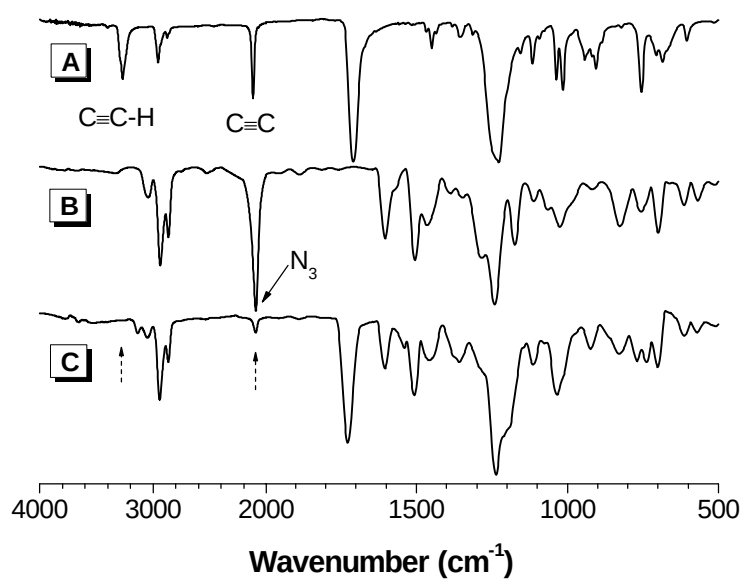


Fig. S4 IR spectra of monomers **2b** (A) and **10** (B) and their polymer PV (C).

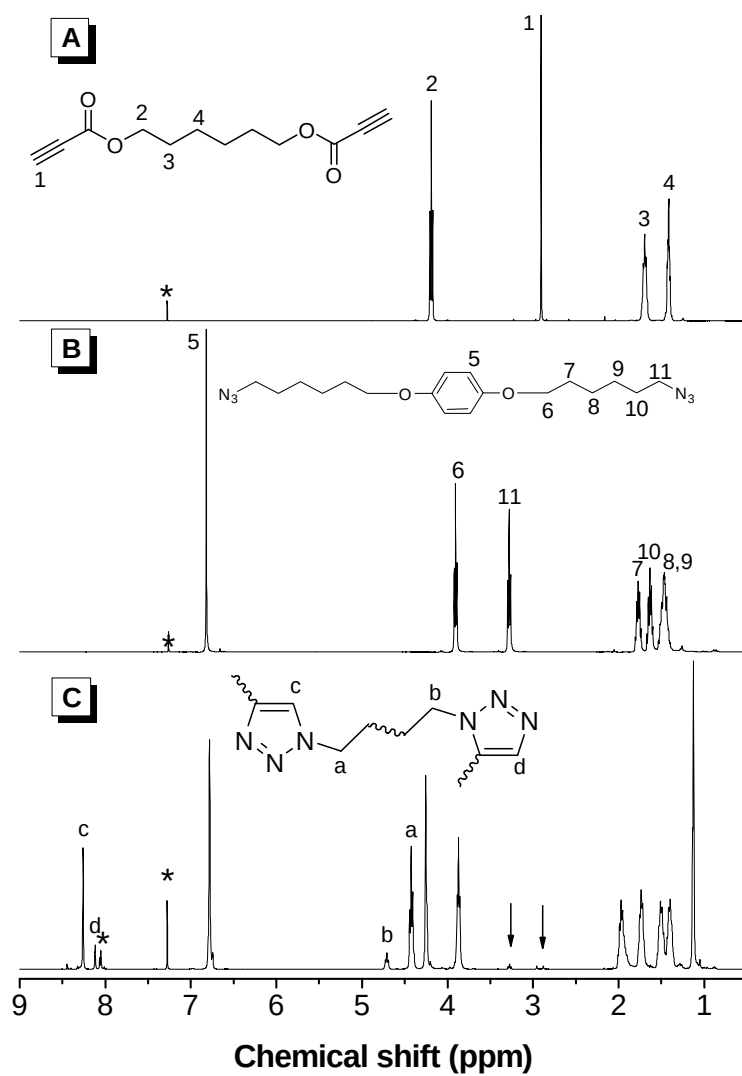


Fig. S5 ^1H NMR spectra of monomer **2a** (A) and **9** (B) and their polymer **PII** (C) in CDCl_3 . The solvent peaks are marked with asterisks.

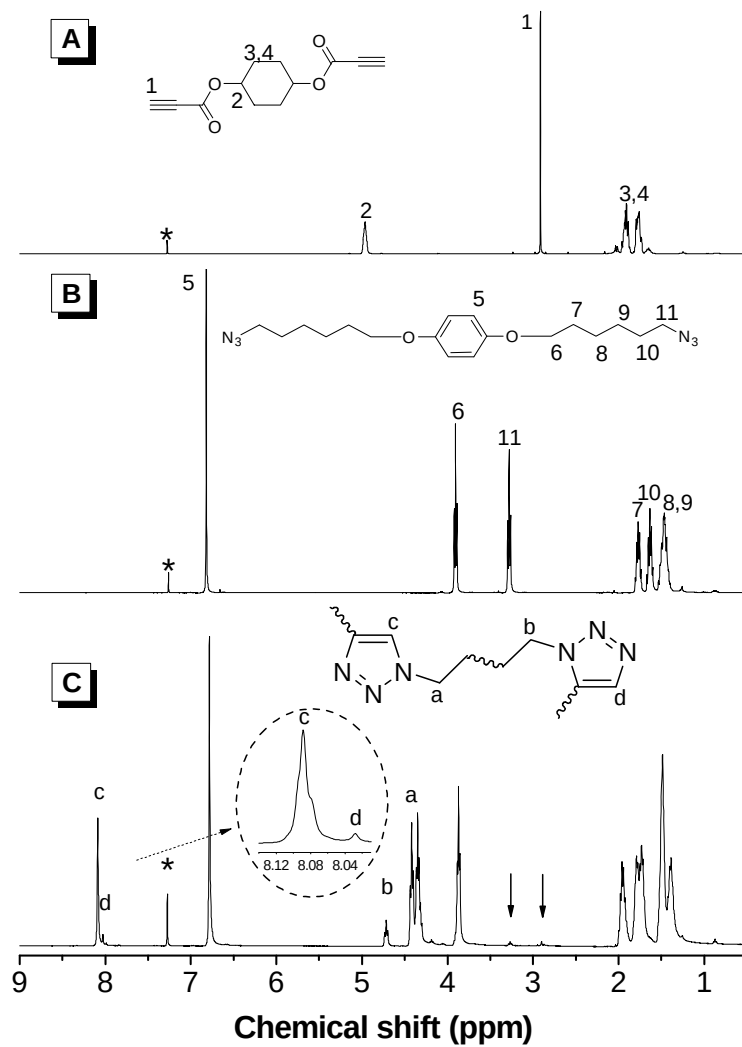


Fig. S6 ^1H NMR spectra of monomer **2b** (A) and **9** (B) and their polymer **PIII** (C) in CDCl_3 . The solvent peaks are marked with asterisks.

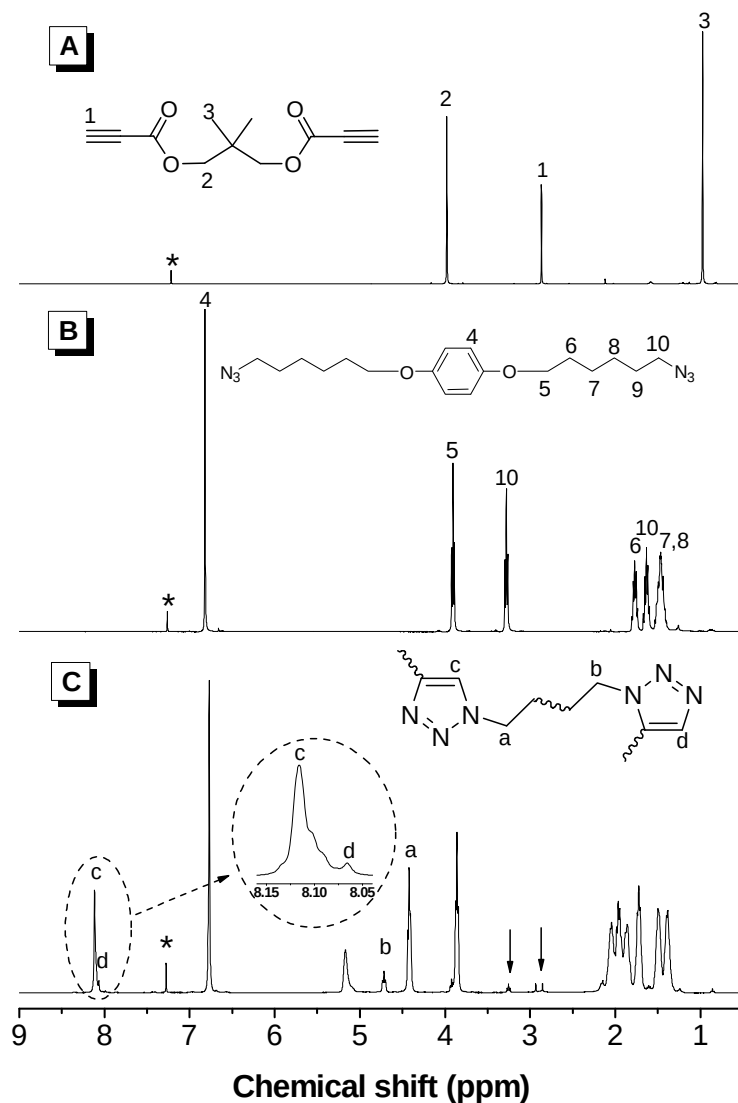


Fig. S7 ^1H NMR spectra of monomer **2c** (A) and **9** (B) and their polymer **PIV** (C) in CDCl_3 . The solvent peaks are marked with asterisks.

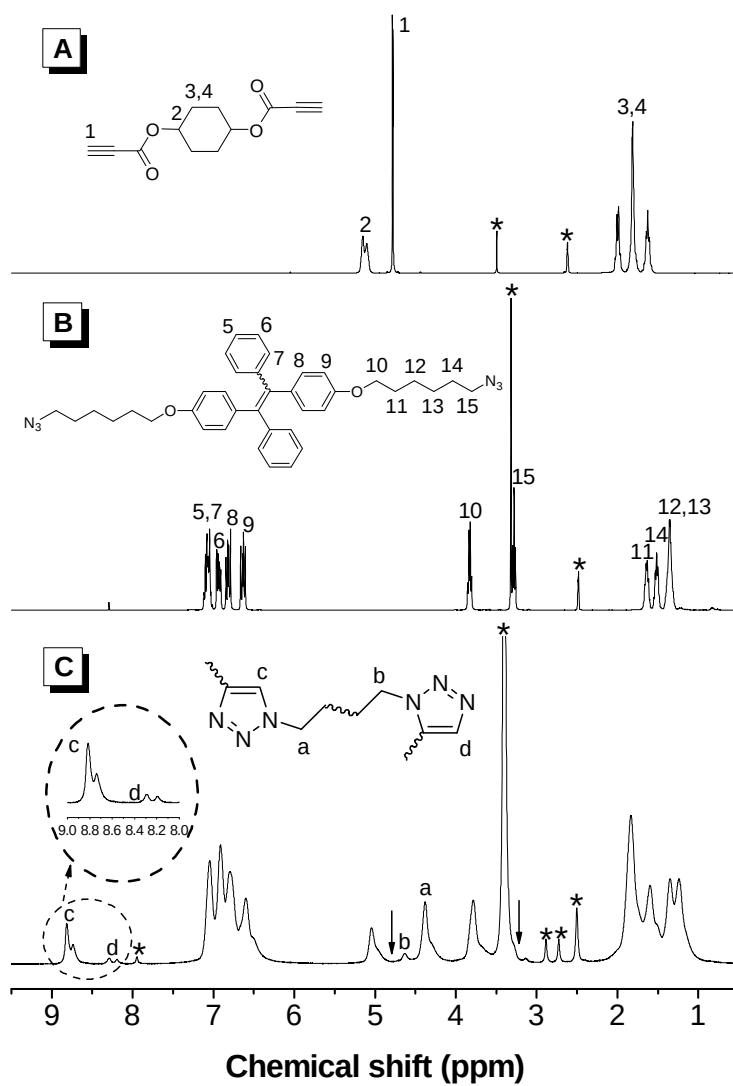


Fig. S8 ^1H NMR spectra of monomers **2b** (A) and **10** (B) and their polymer PV (C) in $\text{DMSO}-d_6$. The solvent peaks are marked with asterisks.

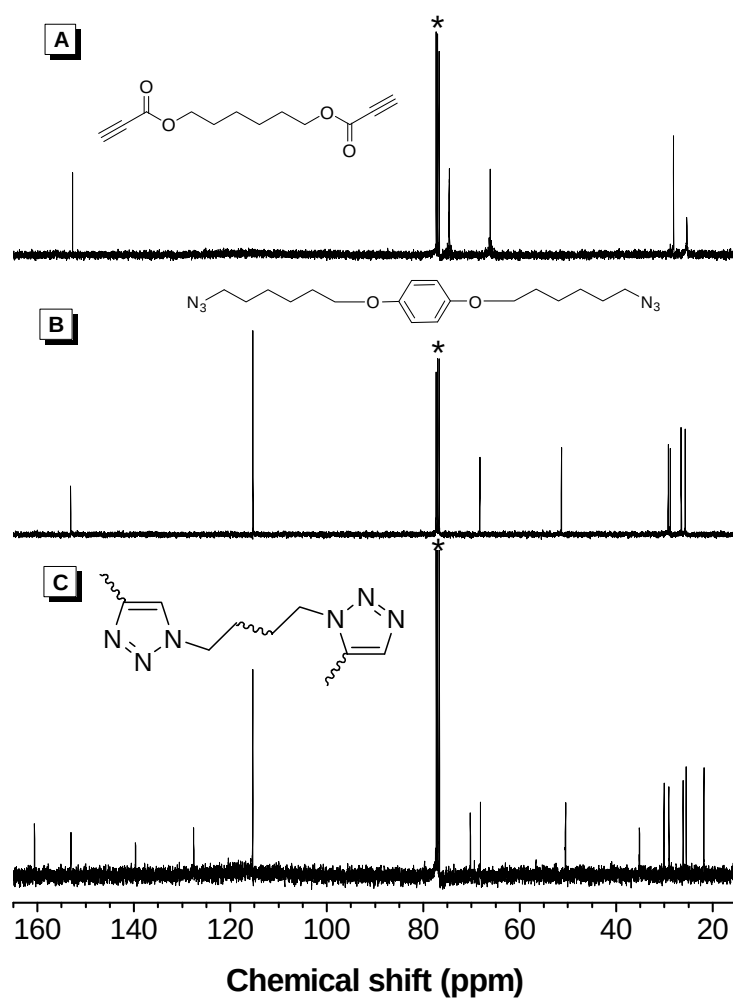


Fig. S9 ^{13}C NMR spectra of monomer **2a** (A) and **9** (B) and their polymer **PII** (C) in CDCl_3 . The solvent peaks are marked with asterisk.

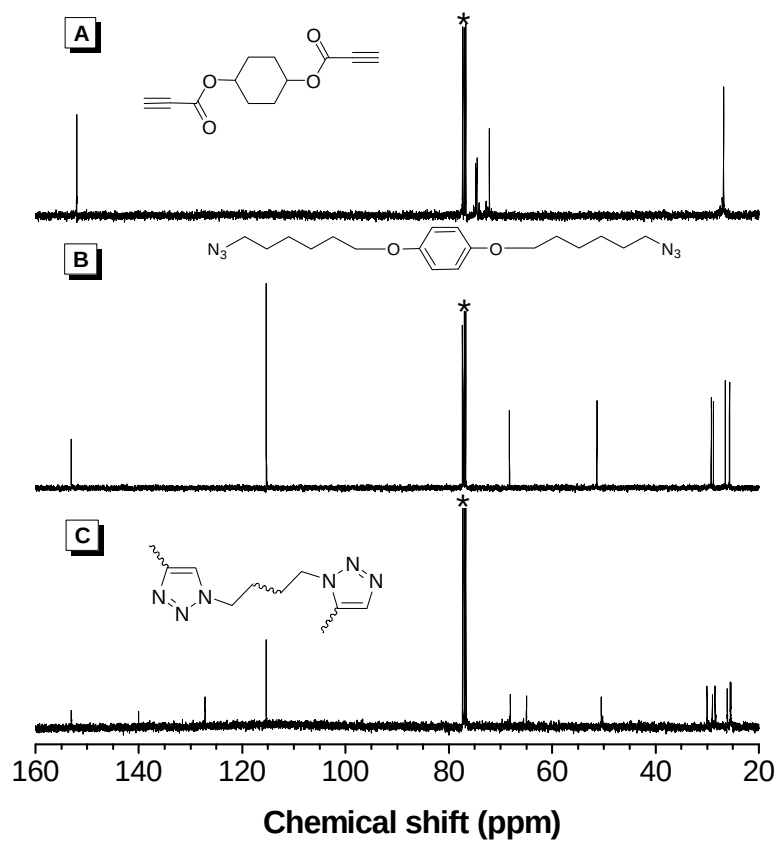


Fig. S10 ^{13}C NMR spectra of monomer **2b** (A) and **9** (B) and their polymer **PIII** (C) in CDCl_3 . The solvent peaks are marked with asterisks.

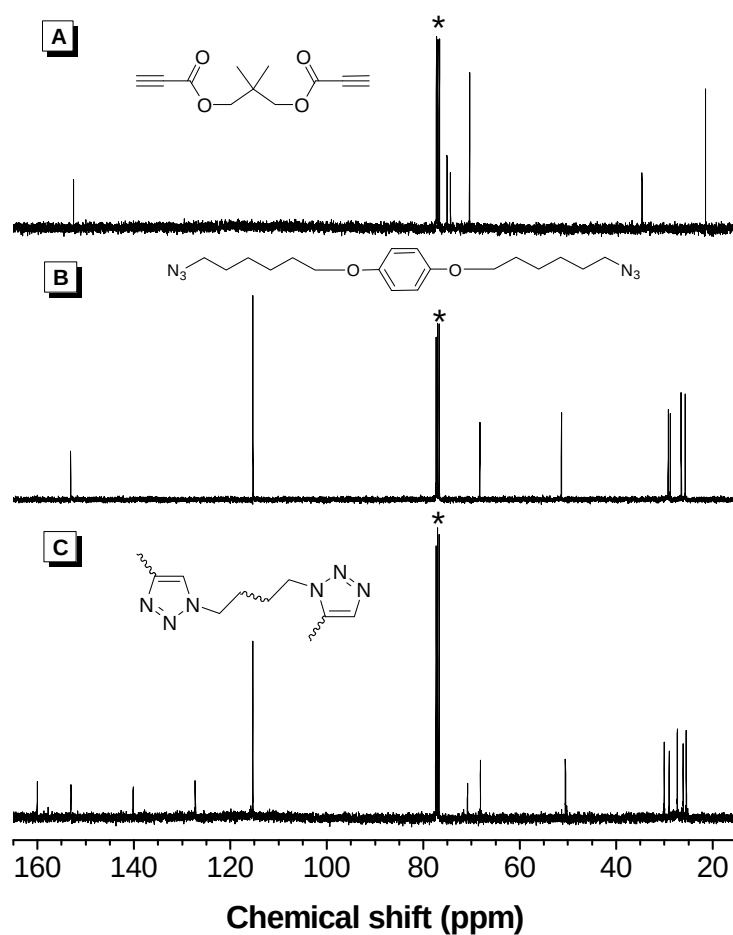


Fig. S11 ^{13}C NMR spectra of monomer **2c** (A) and **9** (B) and their polymer **PIV** (C) in CDCl_3 . The solvent peaks are marked with asterisks.

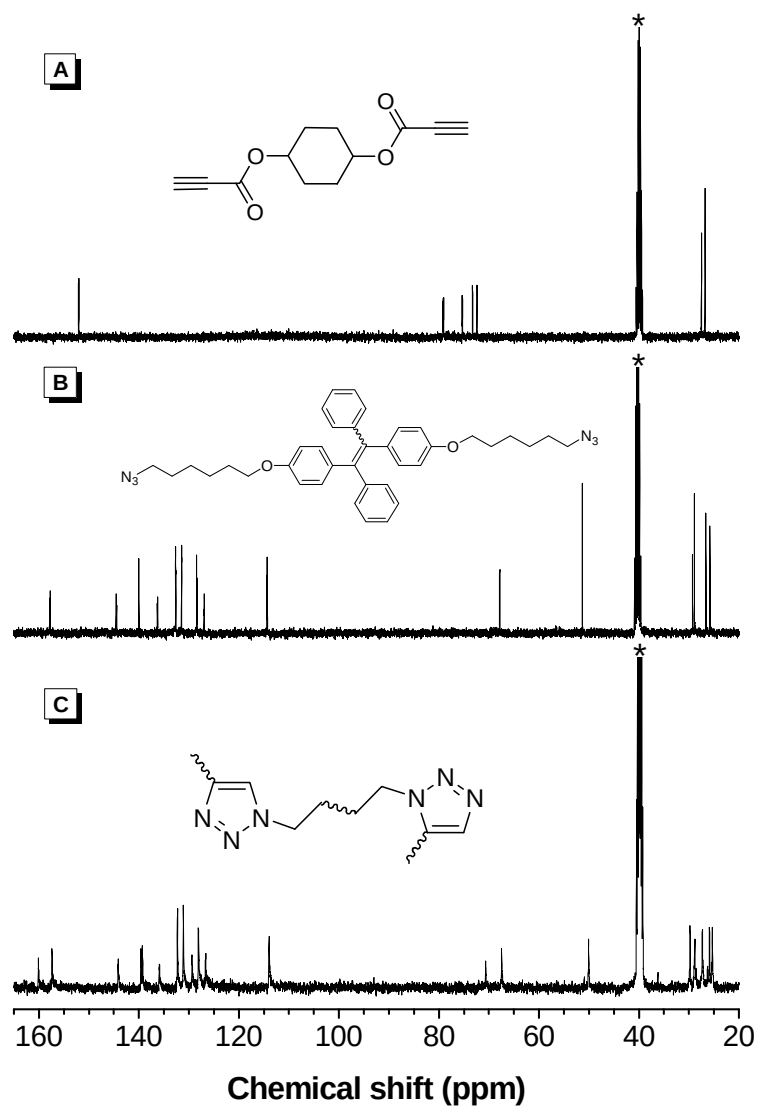


Fig. S12 ^{13}C NMR spectra of monomer **2b** (A) and **10** (B) and their polymer PV (C) in $\text{DMSO}-d_6$. The solvent peaks are marked with asterisks.