polymers

MDPI

10.3390/polym15143109Supplementary Material: Kinetics of polycycloaddition of flexible α-azide-ω-alkynes having different spacer length

Andrey Galukhin, Roman Aleshin, Roman Nosov, Sergey Vyazovkin

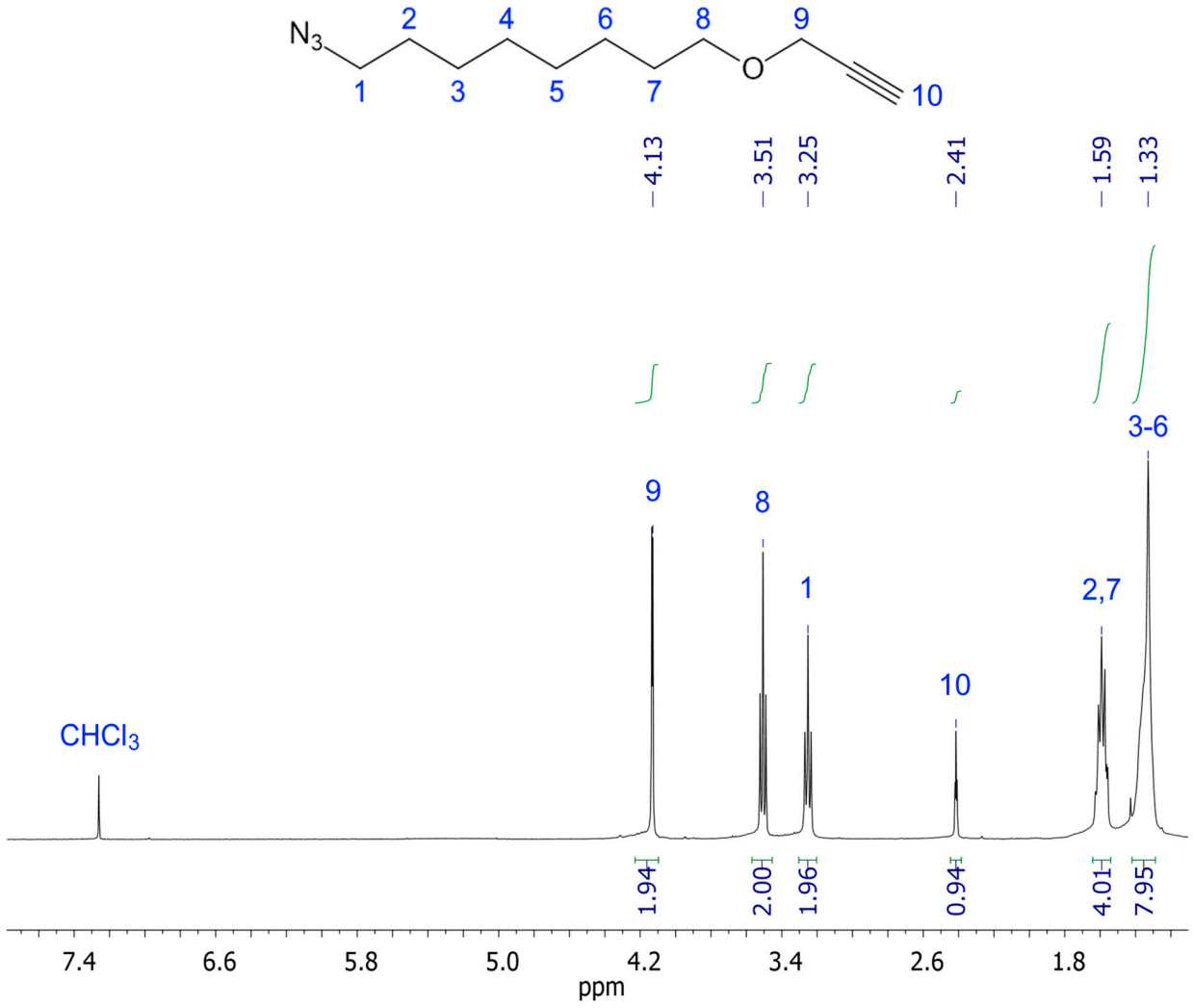


Figure S1. ^{1}H NMR spectrum of 1-azido-8-(prop-2′-yn-1′-yloxy)octane (8AA) ($CDCl_3$-d1, 25 °C).

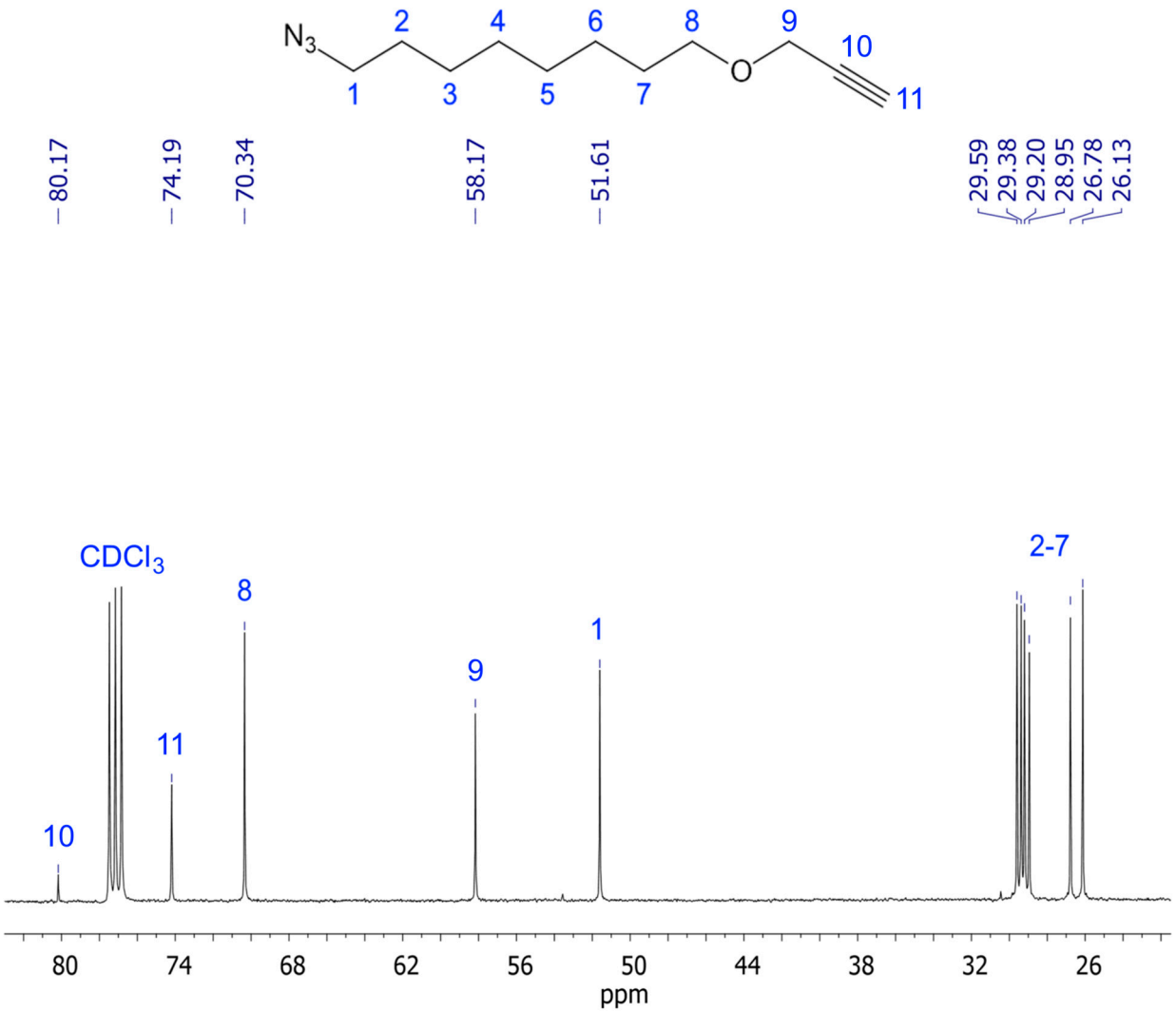


Figure S2. ^{13}C NMR spectrum of 1-azido-8-(prop-2′-yn-1′-yloxy)octane (8AA) ($CDCl_3$-d1, 25 °C).

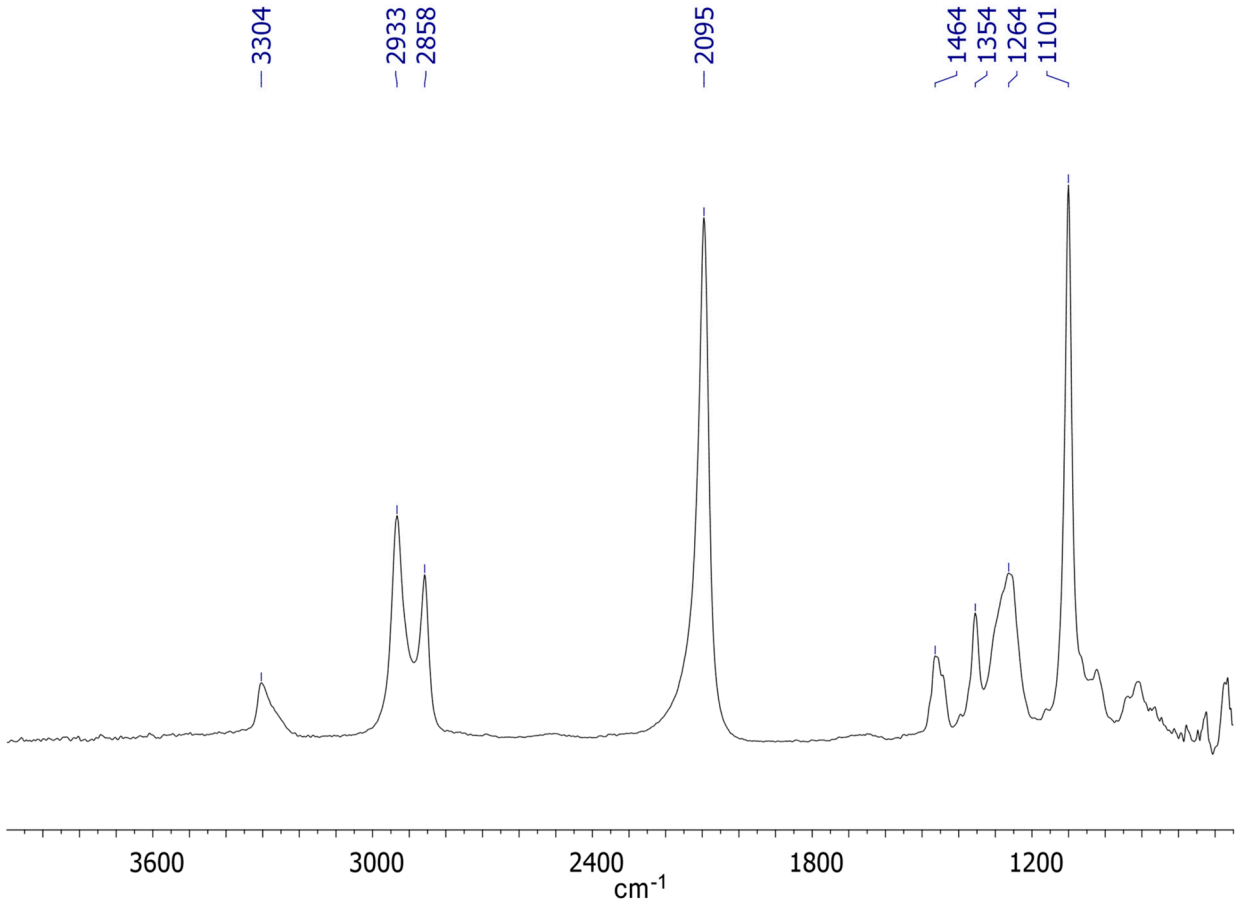


Figure S3. FTIR spectrum of 1-azido-8-(prop-2′-yn-1′-yloxy)octane (8AA).

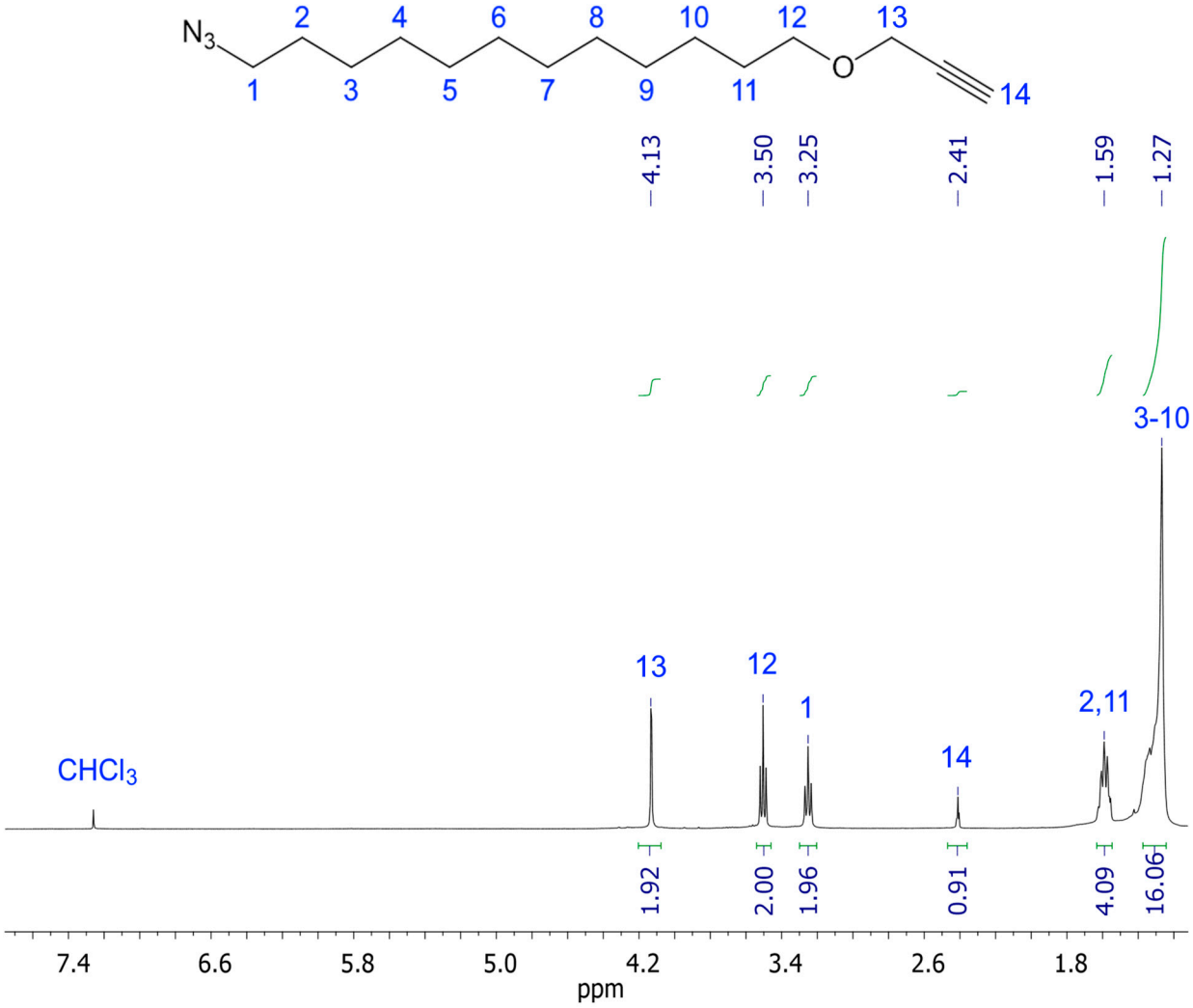


Figure S4. ^{1}H NMR spectrum of 1-azido-12-(prop-2′-yn-1′-yloxy)dodecane (12AA) ($CDCl_3$-d1, 25 °C).

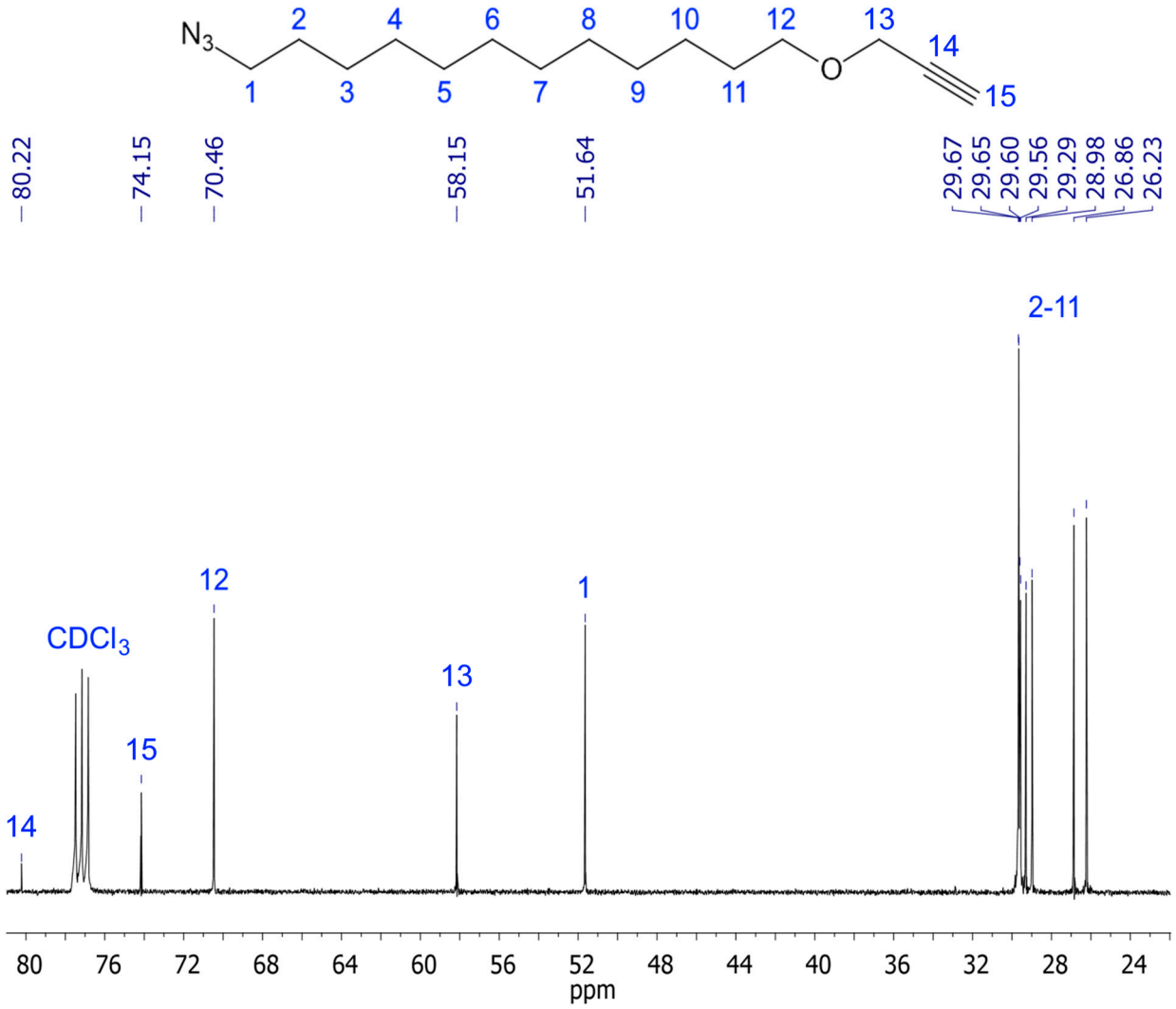


Figure S5. ^{13}C NMR spectrum of 1-azido-12-(prop-2′-yn-1′-yloxy)dodecane (12AA) ($CDCl_3$-d1, 25 °C).

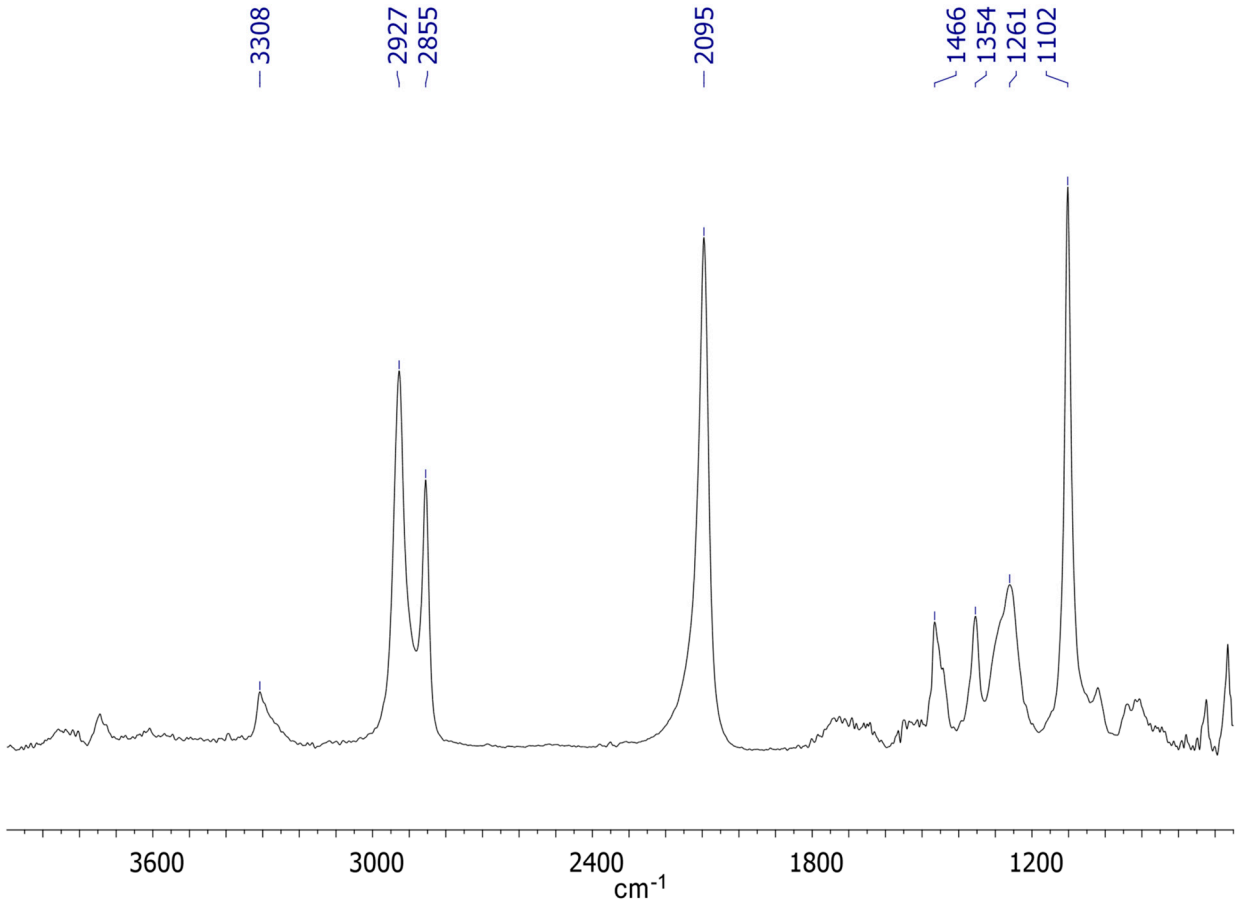


Figure S6. FTIR spectrum of 1-azido-12-(prop-2′-yn-1′-yloxy)dodecane (12AA).

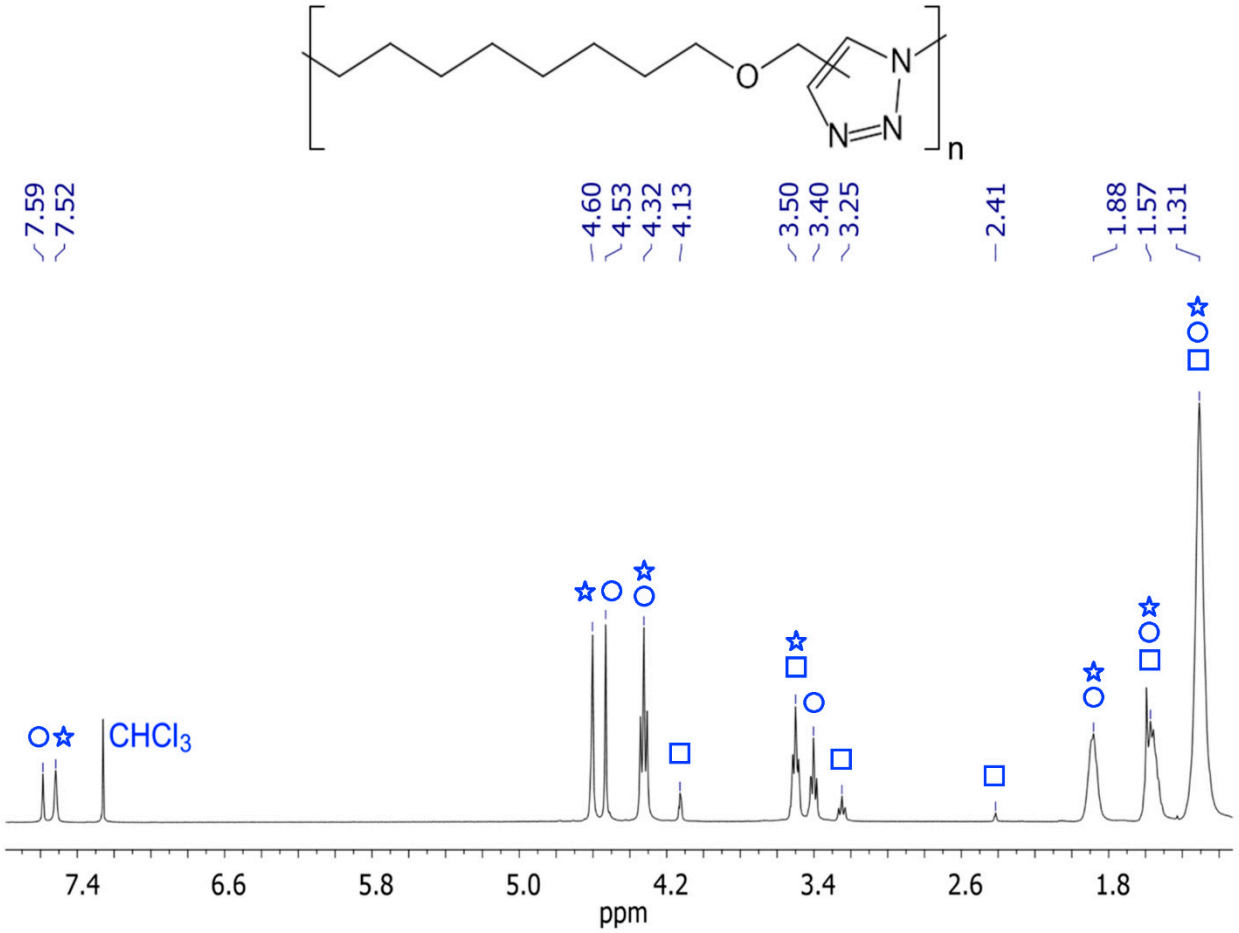


Figure S7. ^{1}H NMR spectrum of polymer based on 1-azido-8-(prop-2′-yn-1′-yloxy)octane (8AA) ($CDCl_3$-d1, 25 °C). Signals of 1,4-disubstituted triazolic unit, 1,5-disubstituted triazolic unit and of unreacted monomer are noted by stars, circles, and squares, respectively.

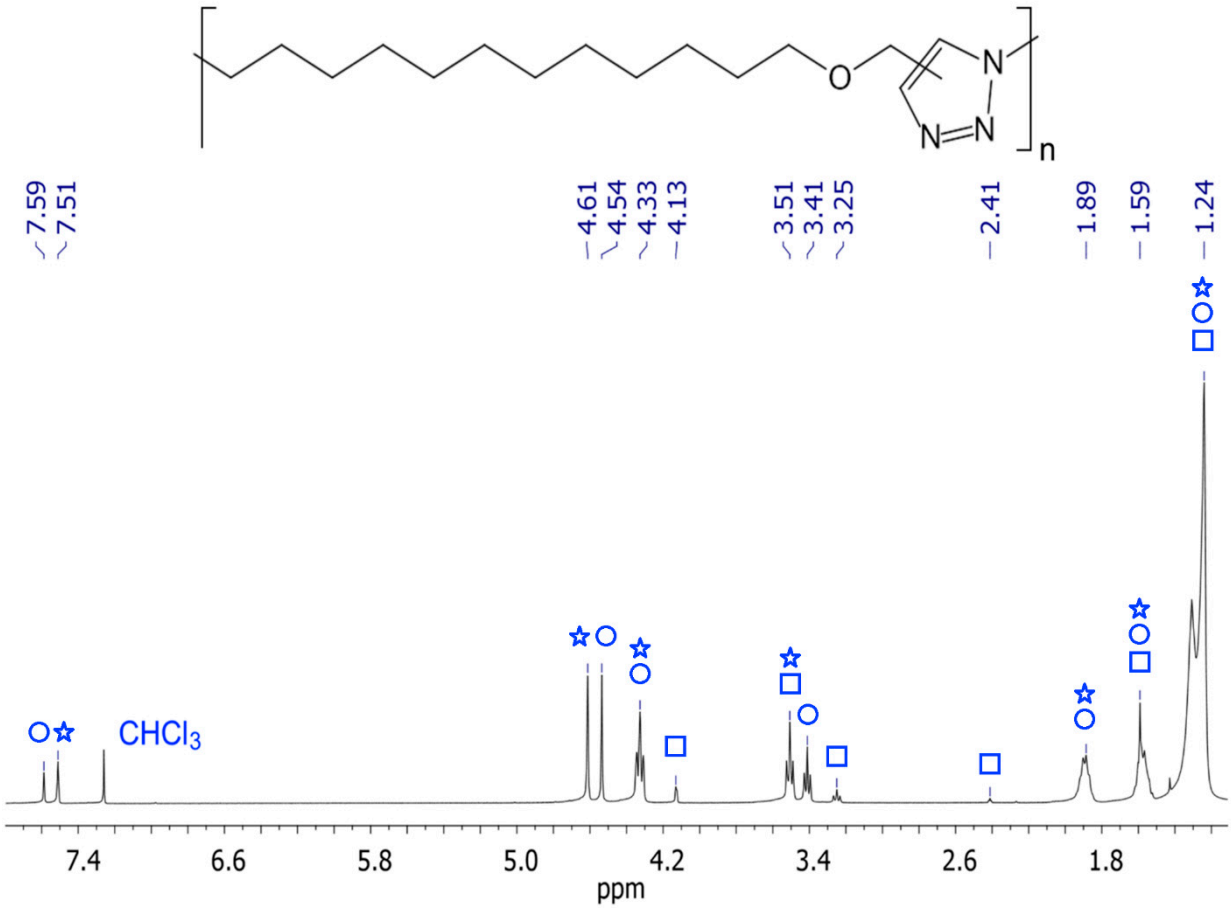


Figure S8. ^{1}H NMR spectrum of polymer based on 1-azido-12-(prop-2′-yn-1′-yloxy)dodecane (12AA) ($CDCl_3$-d1, 25 °C). Signals of 1,4-disubstituited triazolic unit, 1,5-disubstituited triazolic unit and of unreacted monomer are noted by stars, circles, and squares, respectively.