

Probing kinetic and mechanistic features of bulk azide-alkyne cycloaddition

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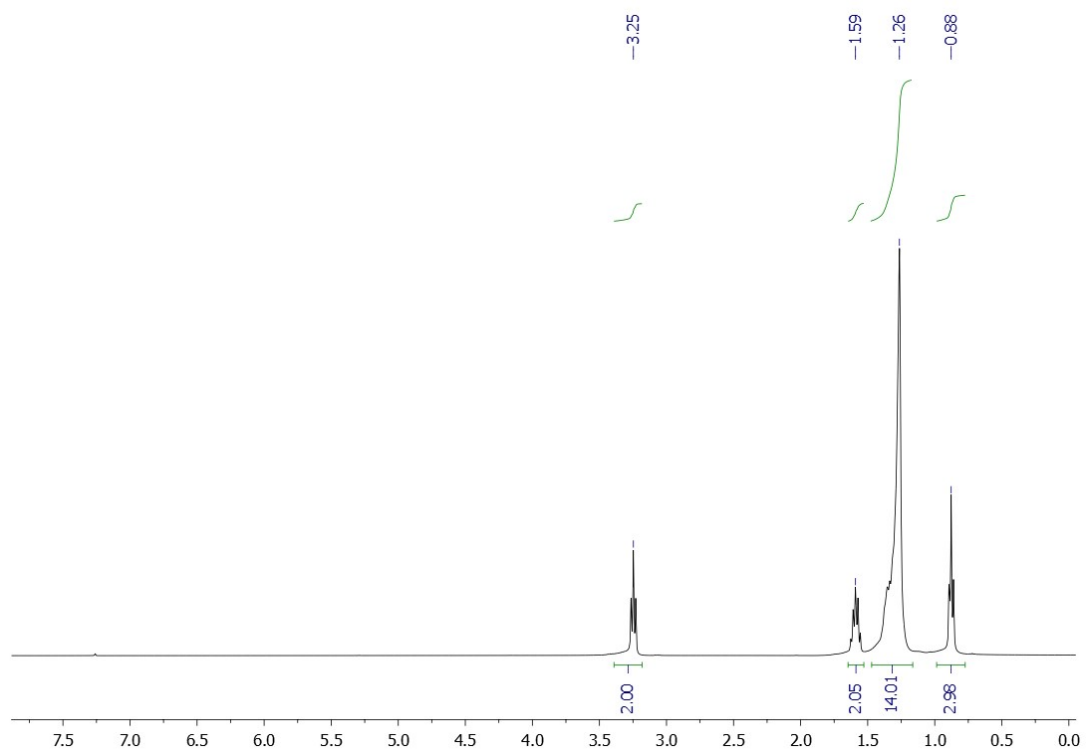


Figure S1. ^1H NMR spectrum of 1-azidodecane ($\text{CDCl}_3\text{-d}_1$, 25 $^\circ\text{C}$).

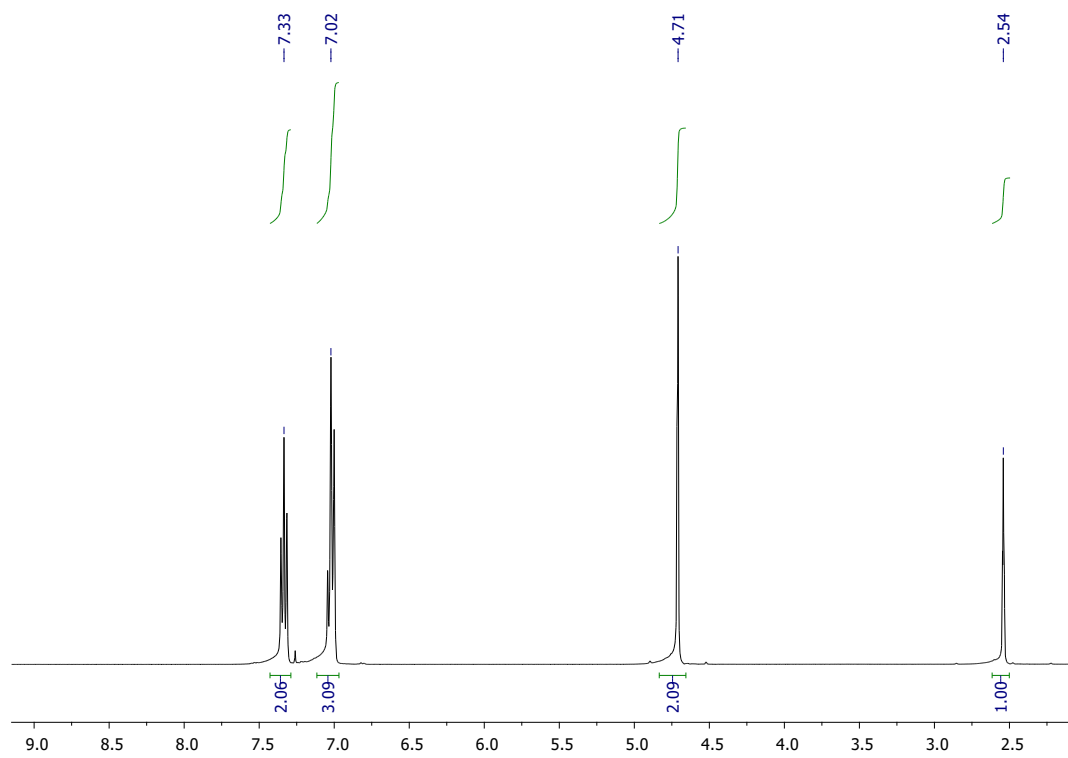


Figure S2. ^1H NMR spectrum of phenyl propargyl ether ($\text{CDCl}_3\text{-d}_1$, 25 $^\circ\text{C}$).

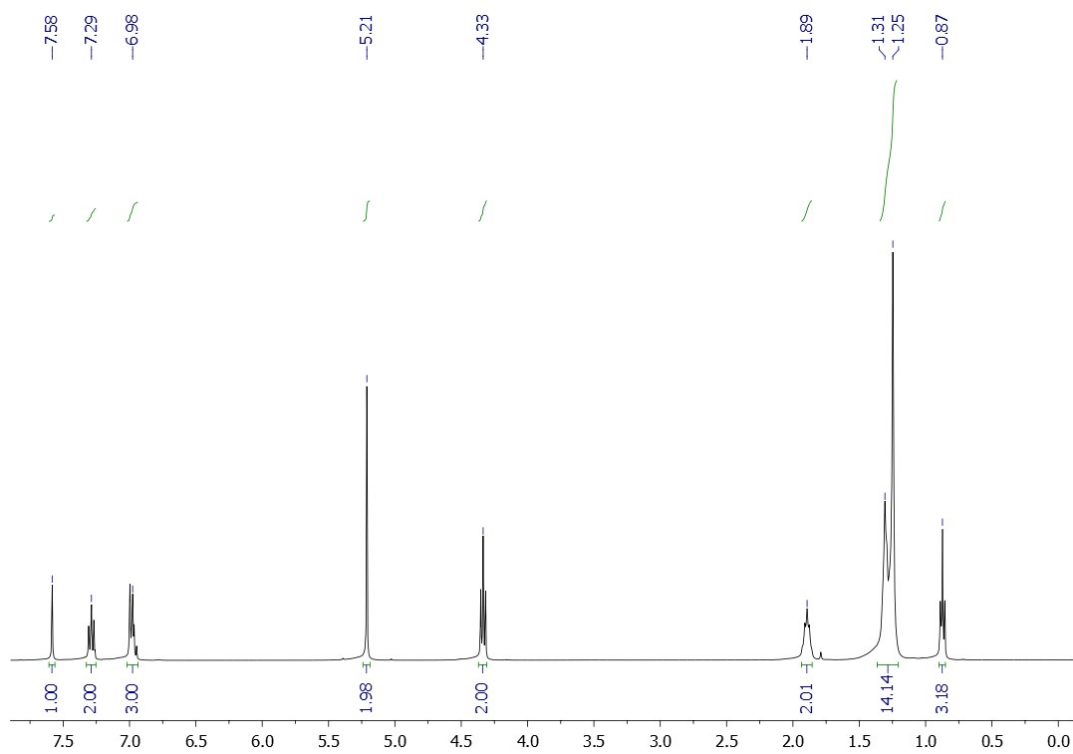


Figure S3. ^1H NMR spectrum of 1-decyl-4-(phoxymethyl)-1,2,3-triazole (1,4-adduct) ($\text{CDCl}_3\text{-d}_1$, 25 °C).

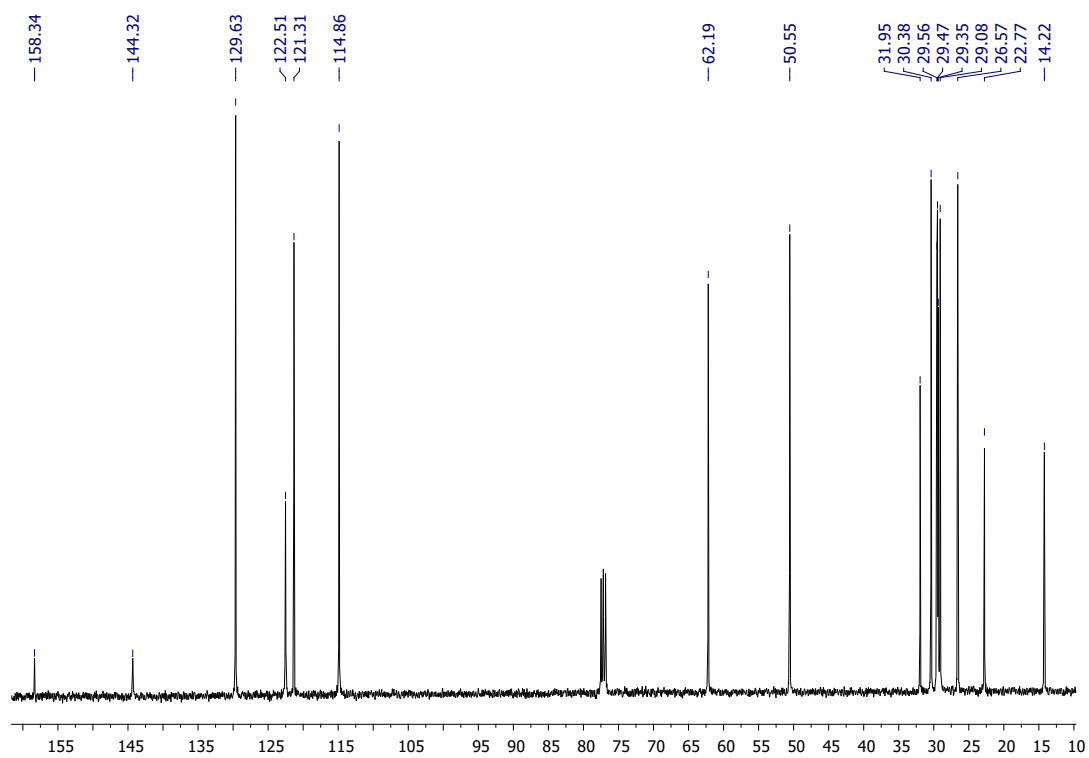


Figure S4. ^{13}C NMR spectrum of compound 1-decyl-4-(phoxymethyl)-1,2,3-triazole (1,4-adduct) ($\text{CDCl}_3\text{-d}_1$, 25 °C).

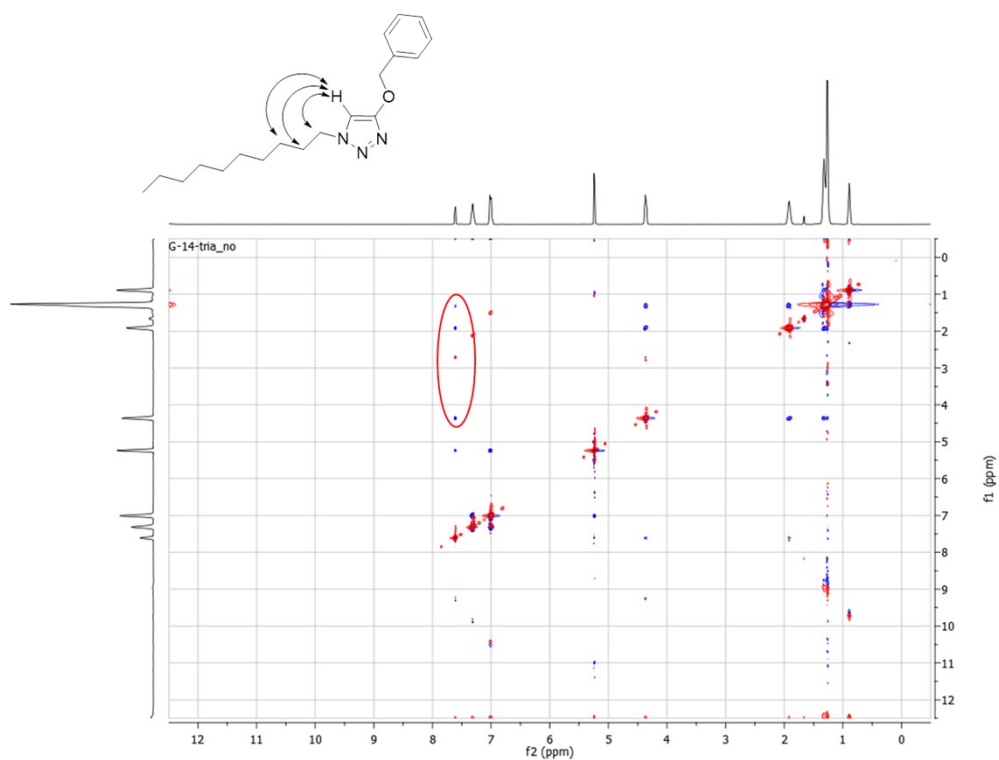


Figure S5. NOESY ^1H - ^1H NMR spectrum of 1-decyl-4-(phenoxymethyl)-1,2,3-triazole (1,4-adduct) ($\text{CDCl}_3\text{-d}_1$, 25 $^\circ\text{C}$).

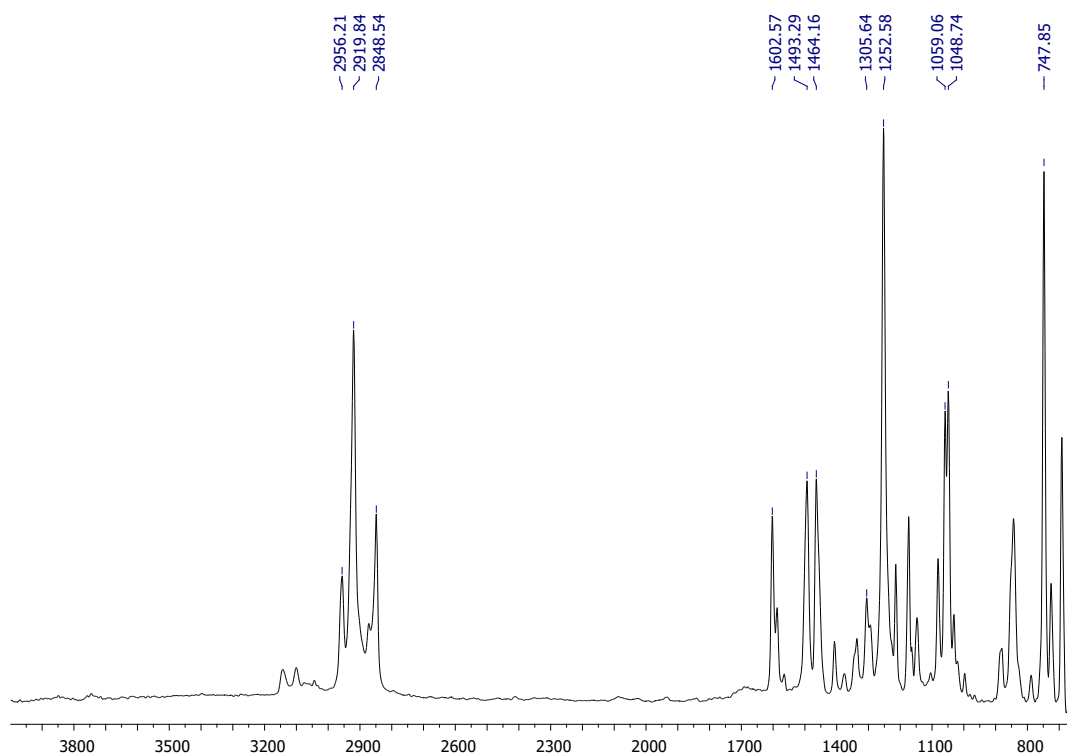


Figure S6. FTIR spectrum of 1-decyl-4-(phenoxymethyl)-1,2,3-triazole (1,4-adduct).

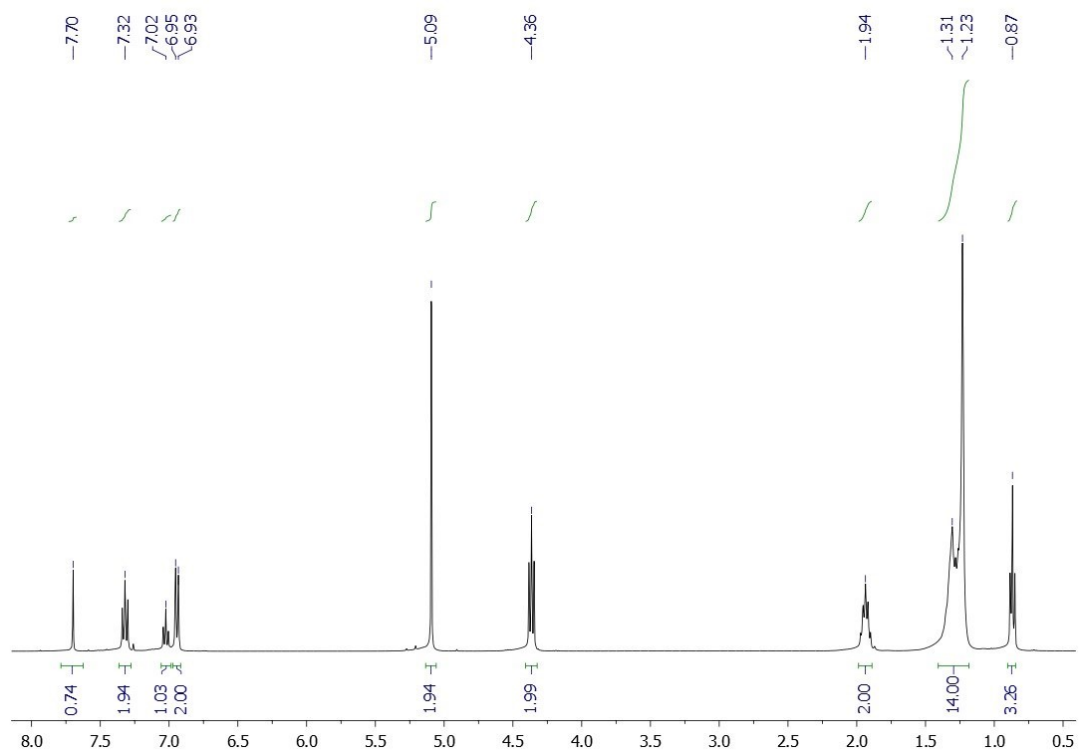


Figure S7. NMR ^1H spectrum of 1-decyl-5-(phenoxyethyl)-1,2,3-triazole (1,5-adduct) ($\text{CDCl}_3\text{-d}_1$, 25 °C).

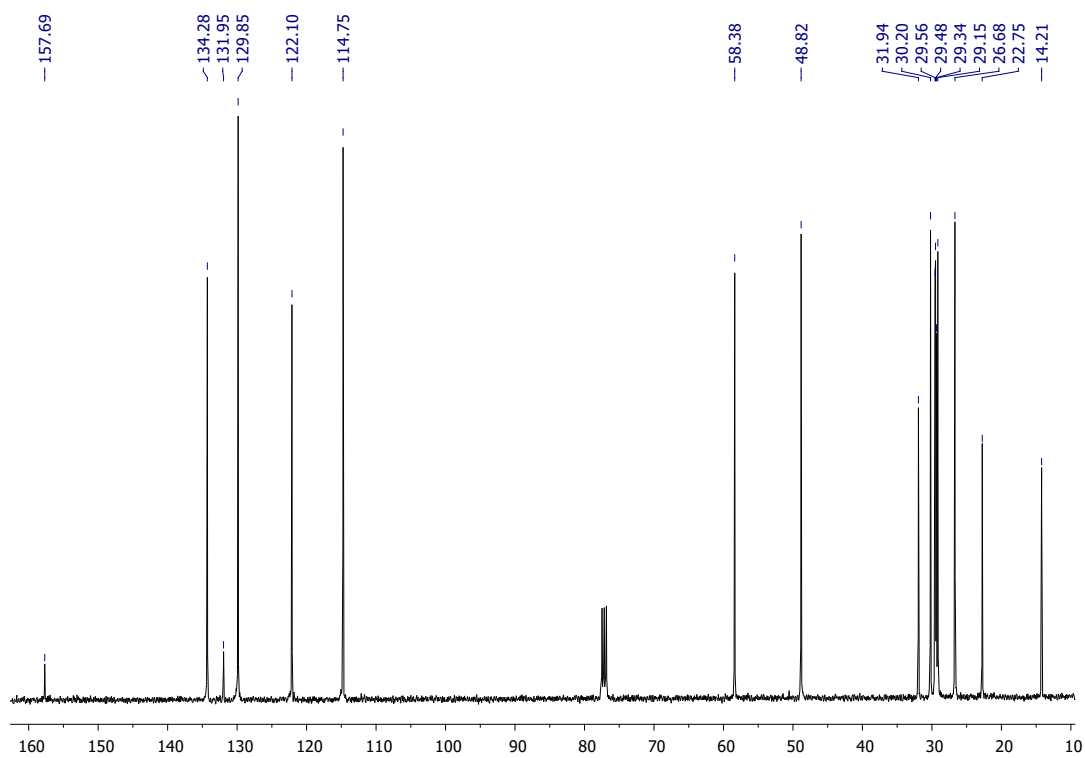


Figure S8. NMR ^{13}C spectrum of 1-decyl-5-(phenoxyethyl)-1,2,3-triazole (1,5-adduct) ($\text{CDCl}_3\text{-d}_1$, 25 °C).

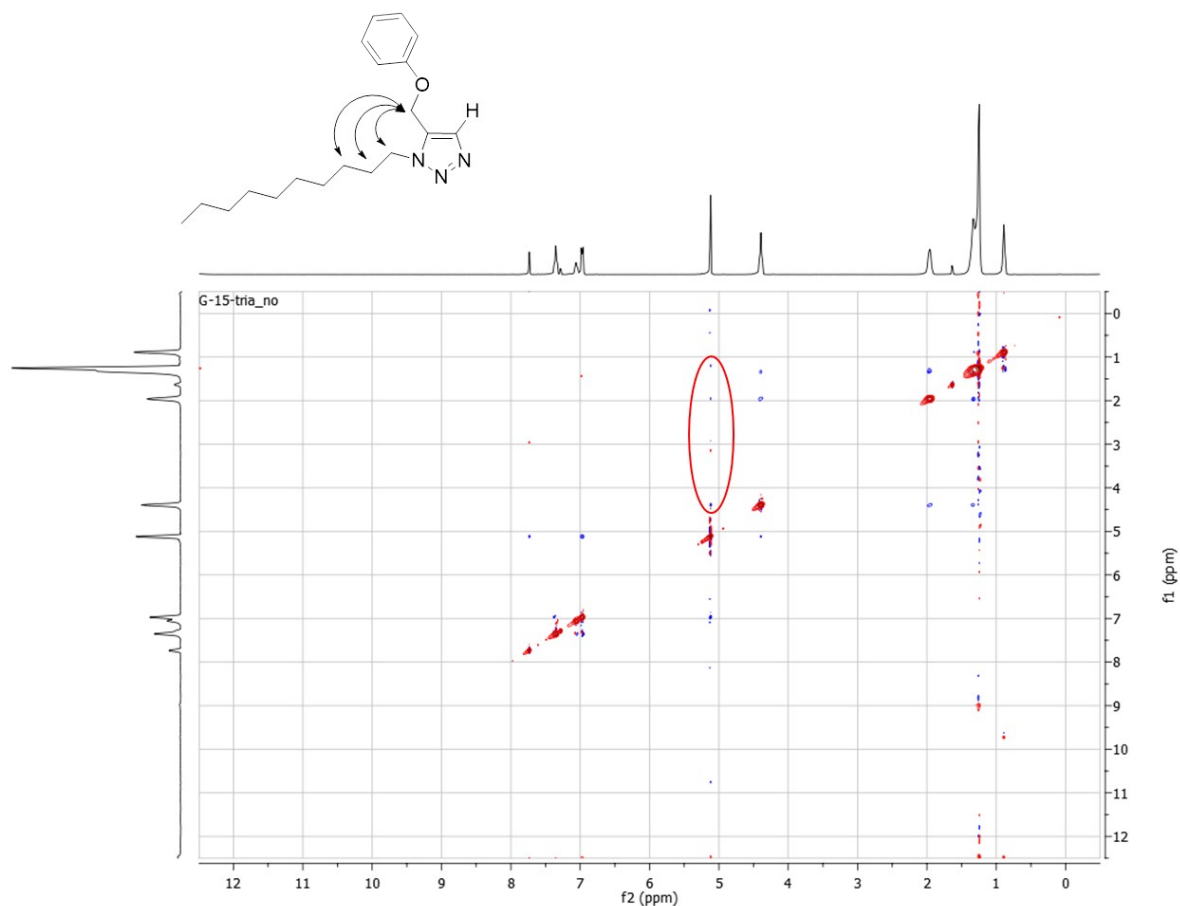


Figure S9. NOESY ^1H - ^1H NMR spectrum of 1-decyl-5-(phenoxymethyl)-1,2,3-triazole (1,5-adduct) (CDCl_3 - d_1 , 25 $^\circ\text{C}$).

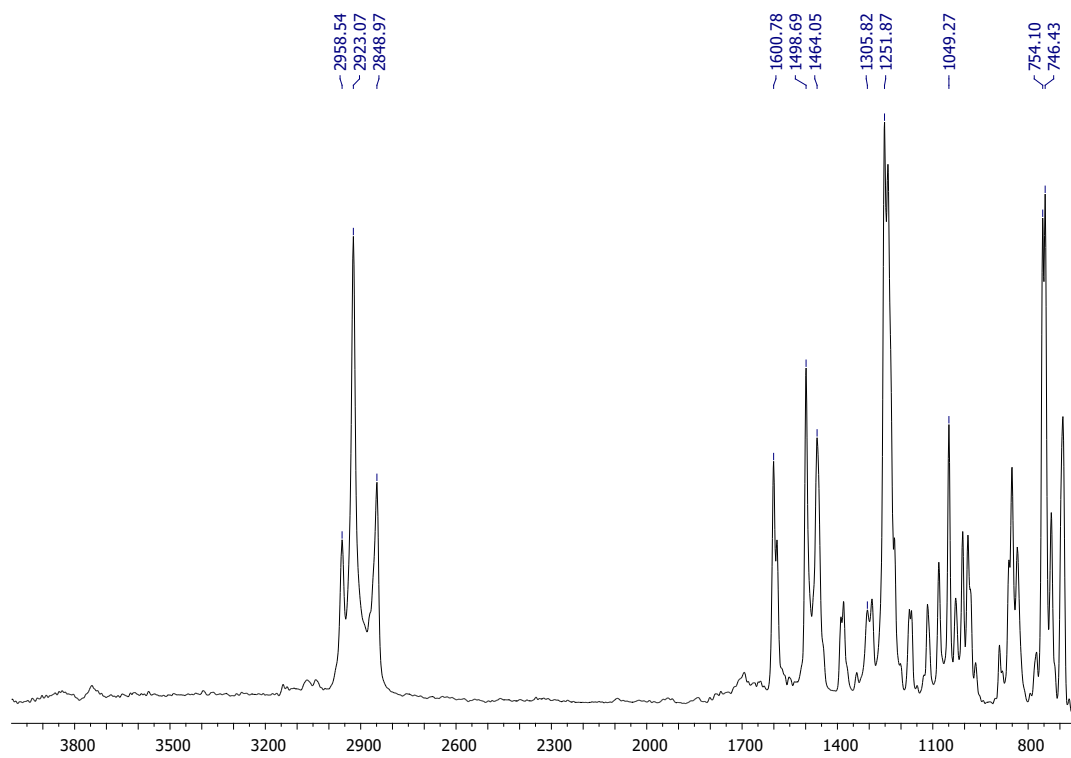


Figure S10. FTIR spectrum of 1-decyl-5-(phenoxymethyl)-1,2,3-triazole (1,5-adduct).

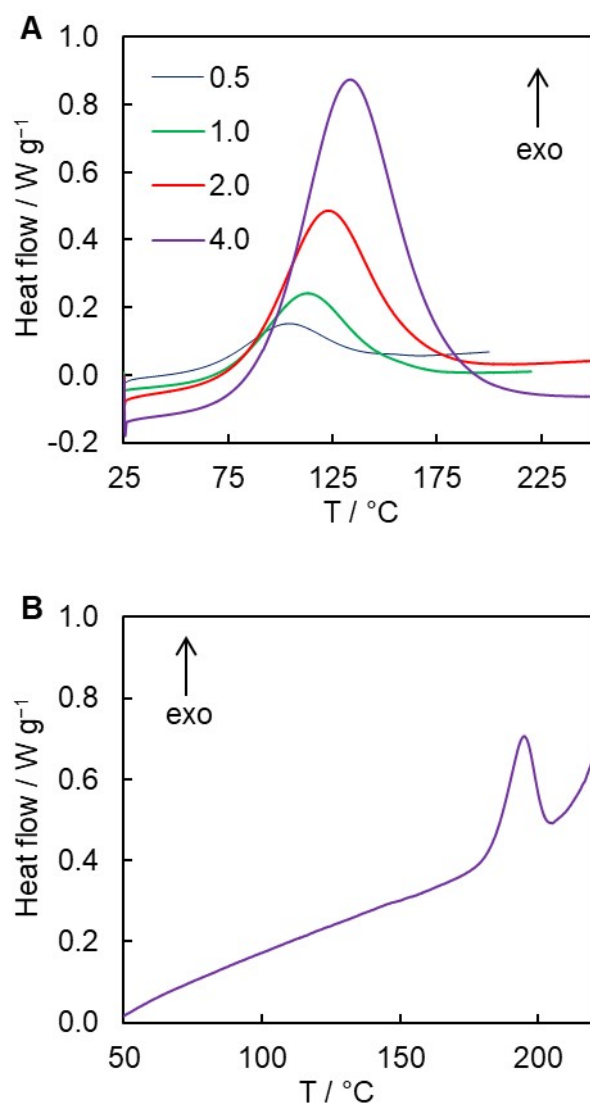


Figure S11. Original DSC curves for studied AAC (numbers denote heating rates in °C min⁻¹) and *l*-azidodecane decomposition (B) (4 °C min⁻¹).

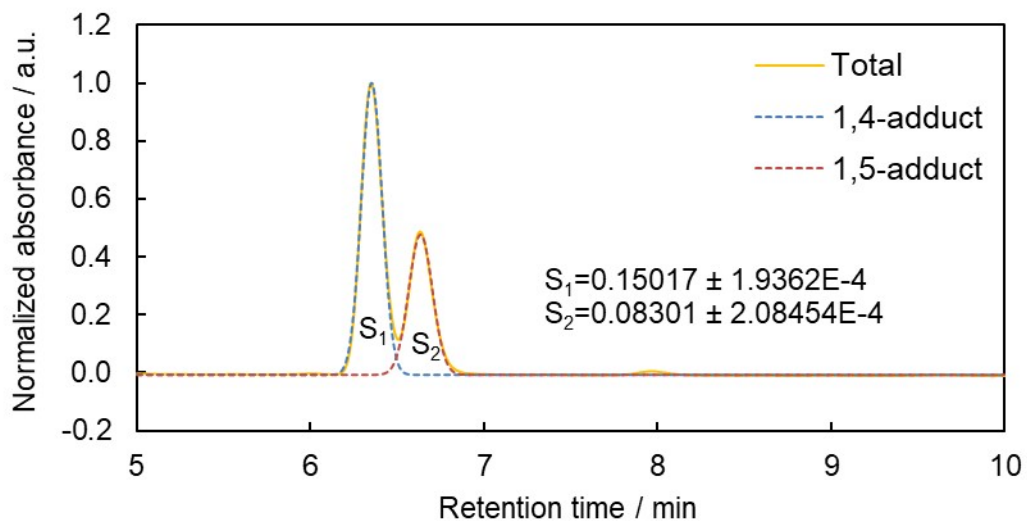


Figure S12. Chromatogram of the reaction mixture after DSC experiment at $0.5 \text{ } ^\circ\text{C min}^{-1}$.

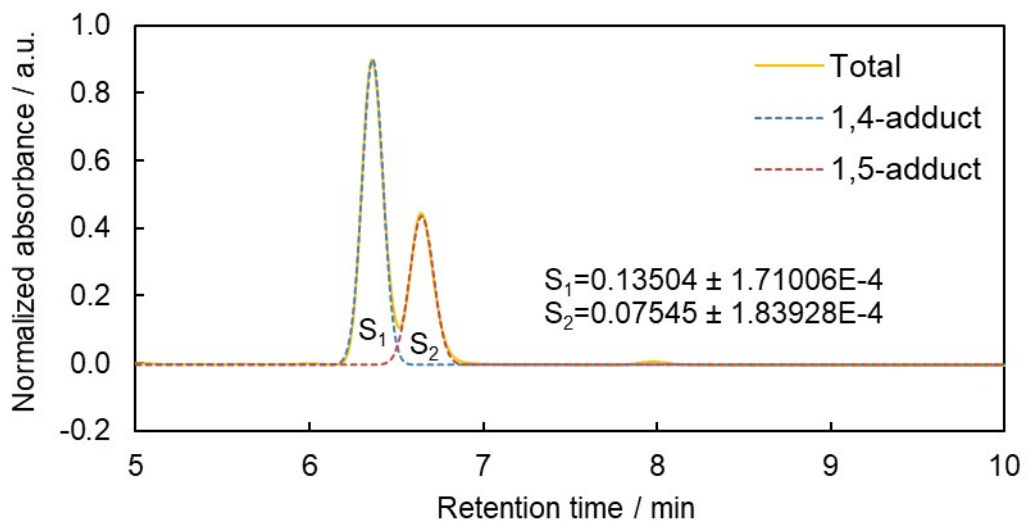


Figure S13. Chromatogram of the reaction mixture after DSC experiment at $1.0 \text{ } ^\circ\text{C min}^{-1}$.

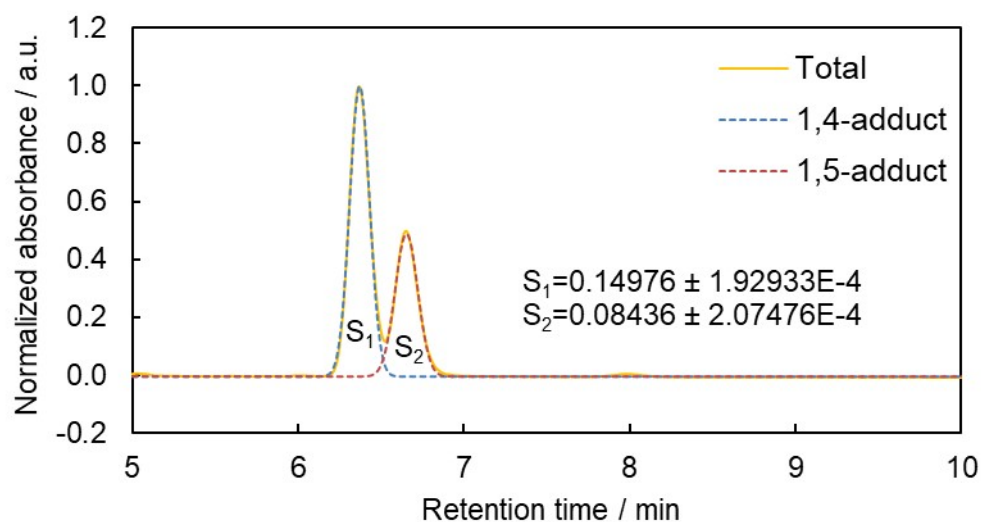


Figure S14. Chromatogram of the reaction mixture after DSC experiment at 2.0 °C min⁻¹.

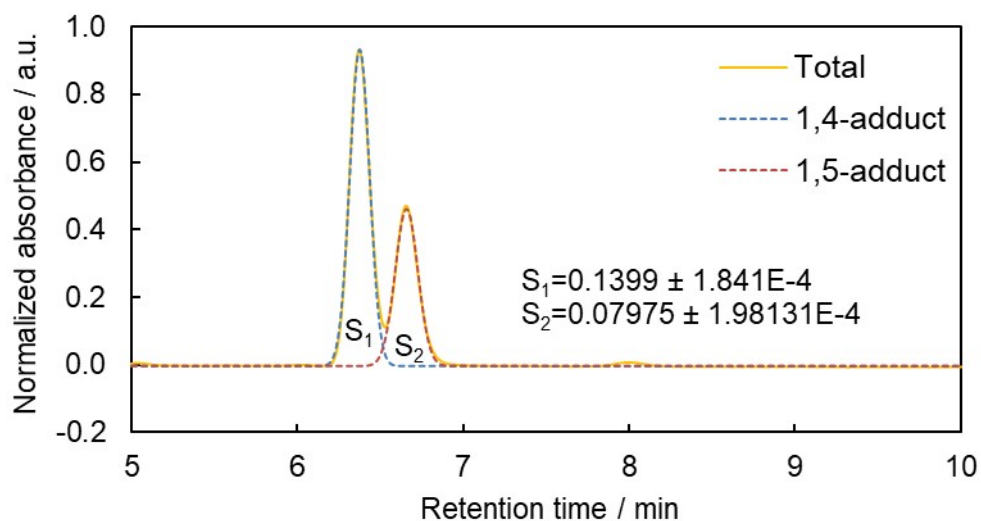


Figure S15. Chromatogram of the reaction mixture after DSC experiment at 4.0 °C min⁻¹.

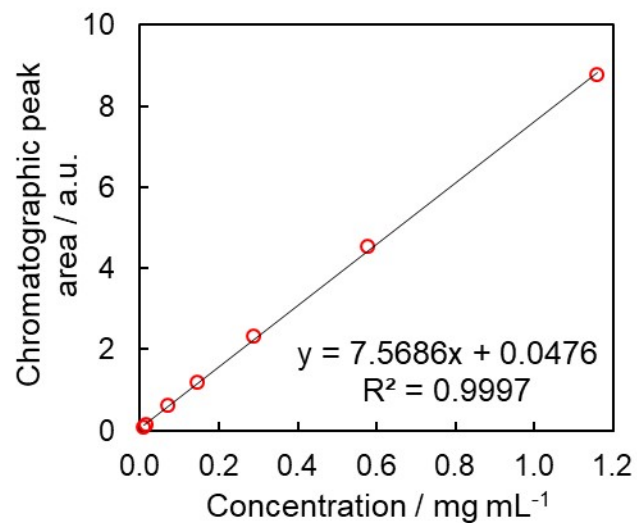


Figure S16. Calibration curve for the *1,4*-adduct.

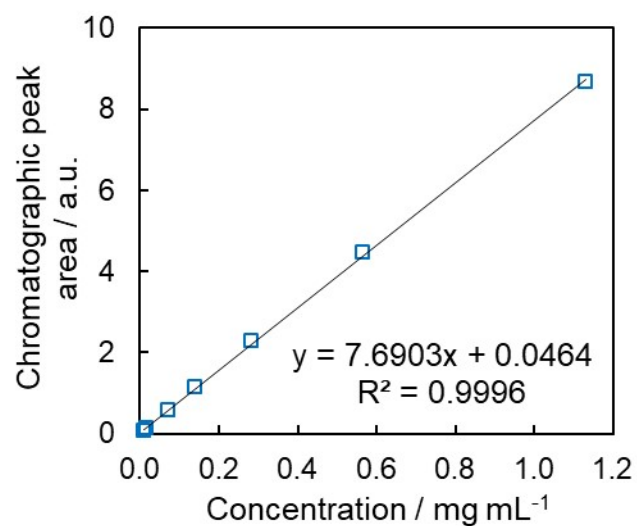


Figure S17. Calibration curve for the *1,5*-adduct.