

Supplementary Material

Studies on the effect of polyhedral carboranes on the physicochemical properties of polycarboranosiloxanes

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SEC data

SEC data of the compounds 1A – 1D:

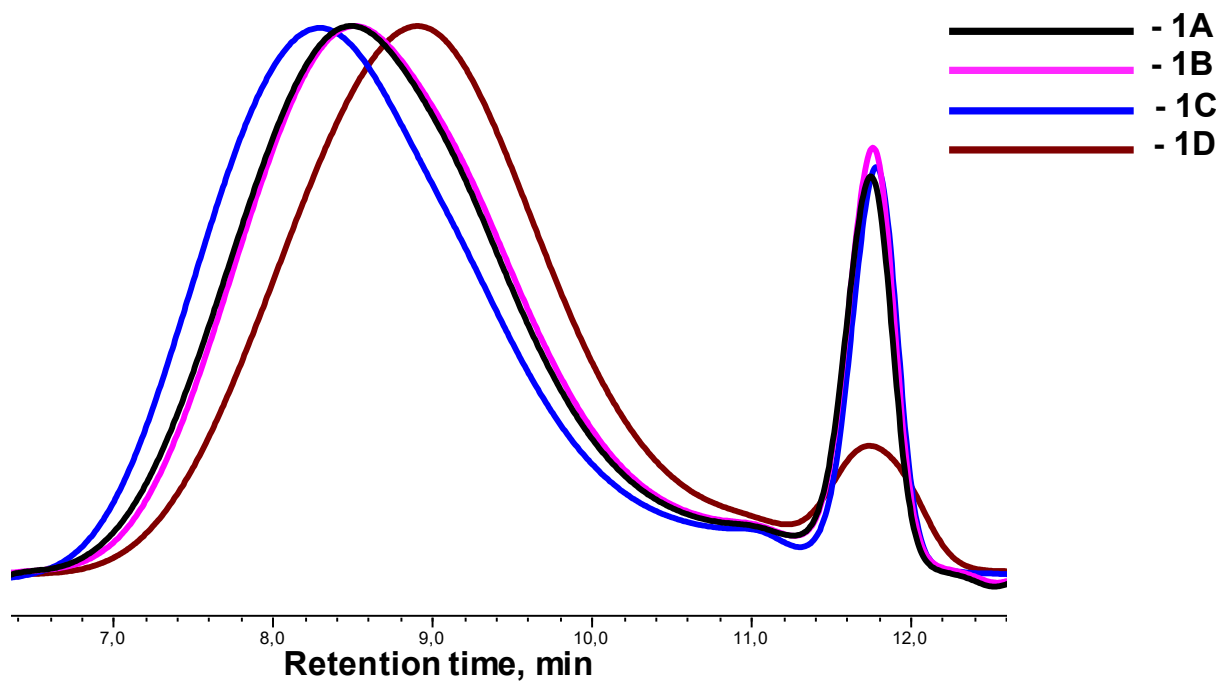


Figure S1. SEC curves of the 1A – 1D before reprecipitation

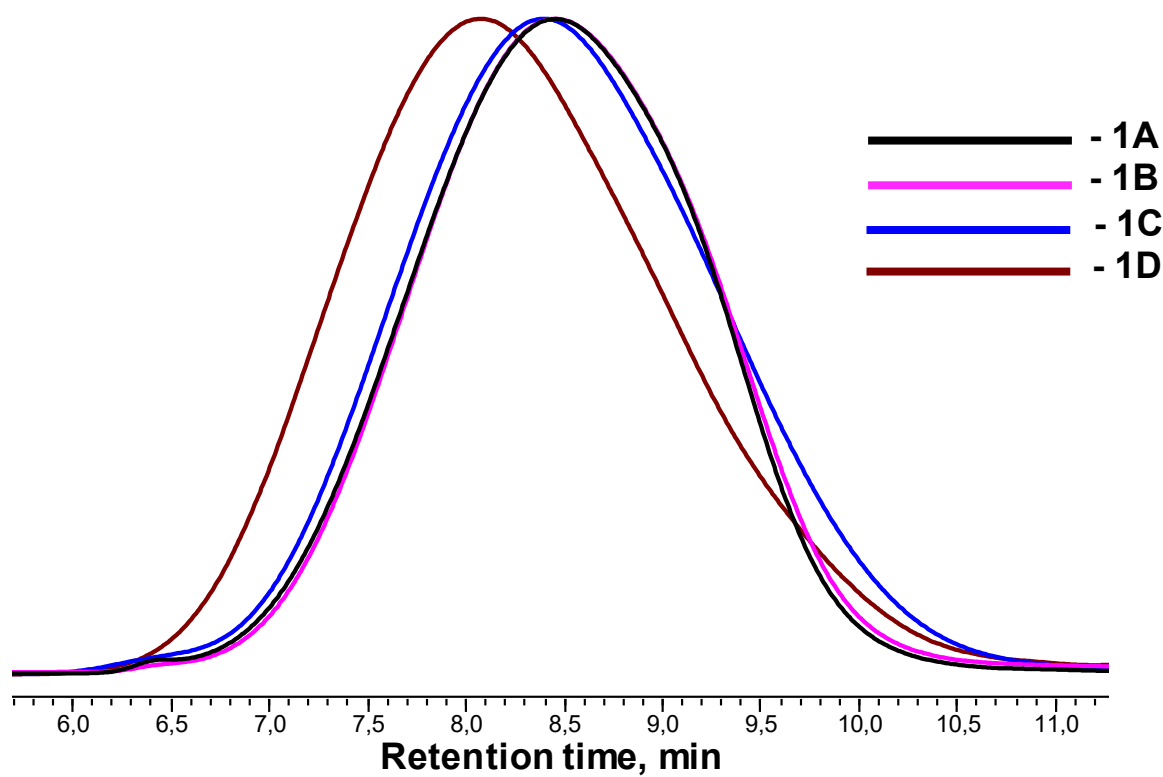


Figure S2. SEC curves of the 1A – 1D after reprecipitation

SEC data of the compound *o*-2A:

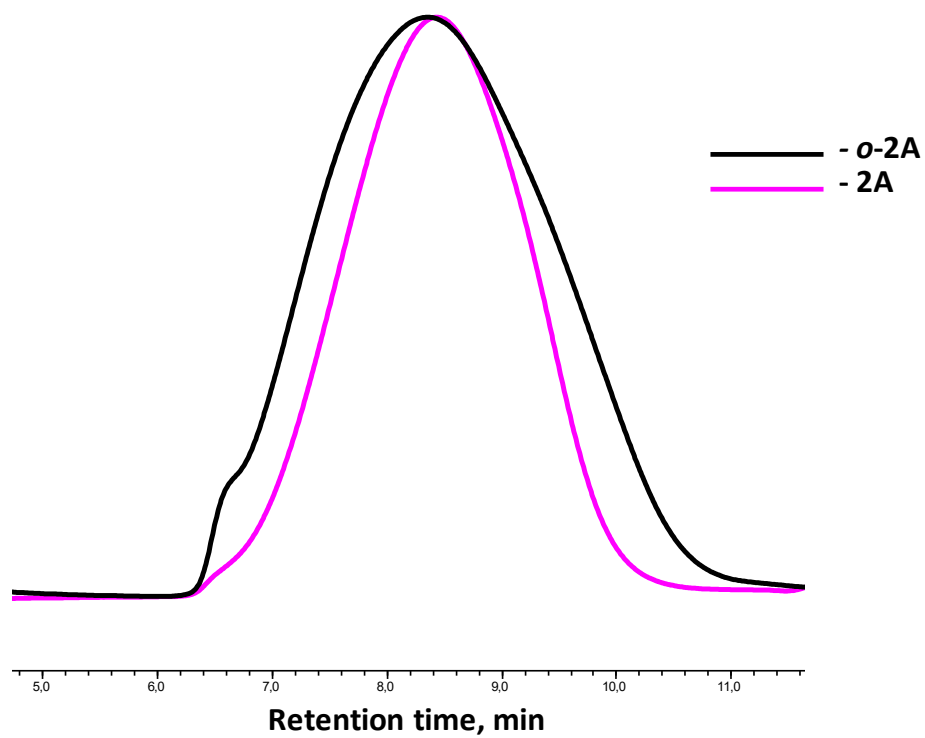


Figure S3. SEC curves of the 2A and *o*-2A

SEC data of the compound 3B:

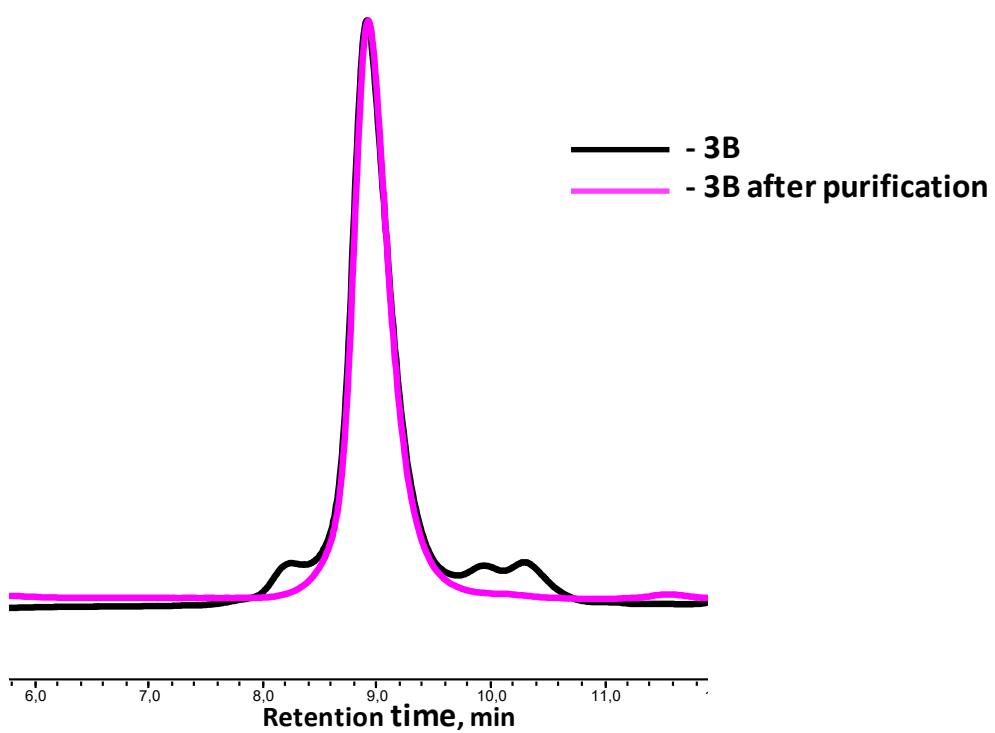


Figure S4. SEC curves of the 3B before and after preparative purification

NMR data

NMR data of the compounds 1A – 2D; o-2A:

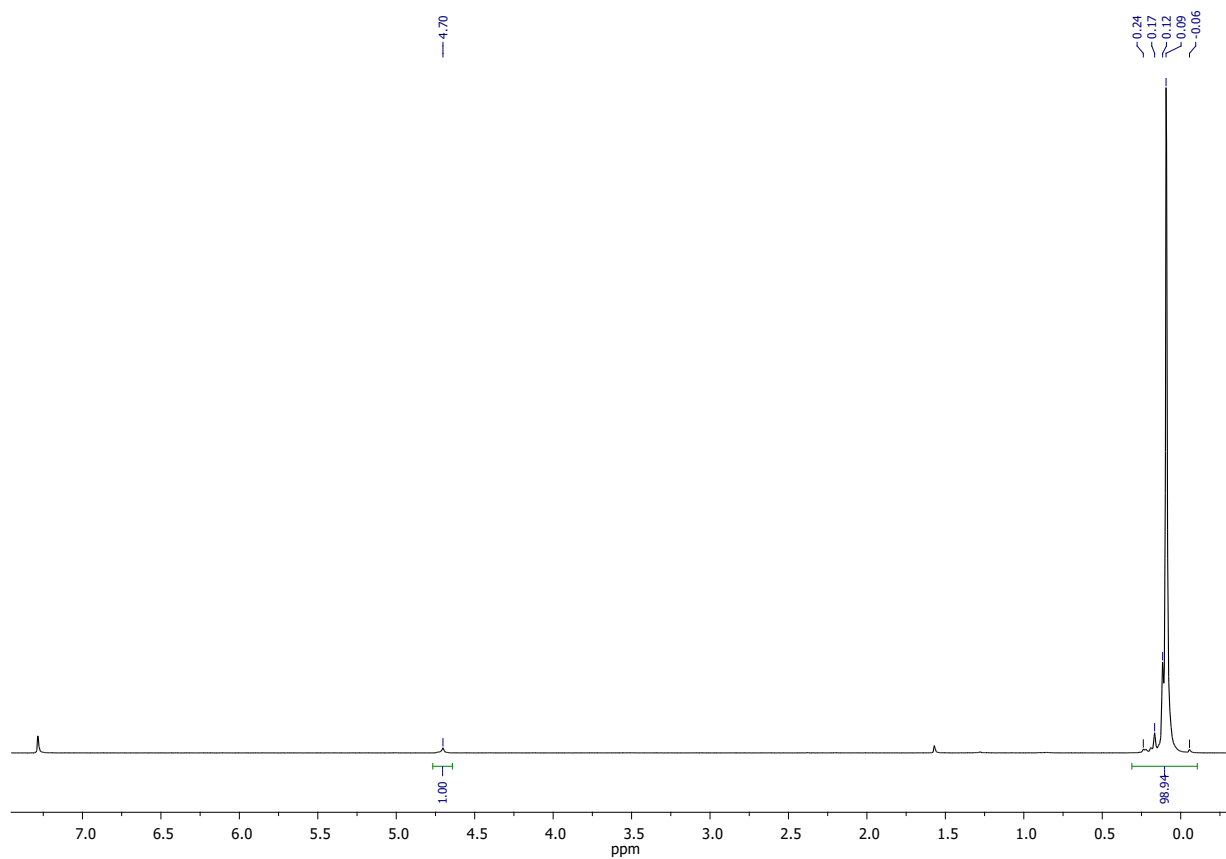


Figure S5. ¹H NMR (500.13 MHz, CDCl₃) of (1A)

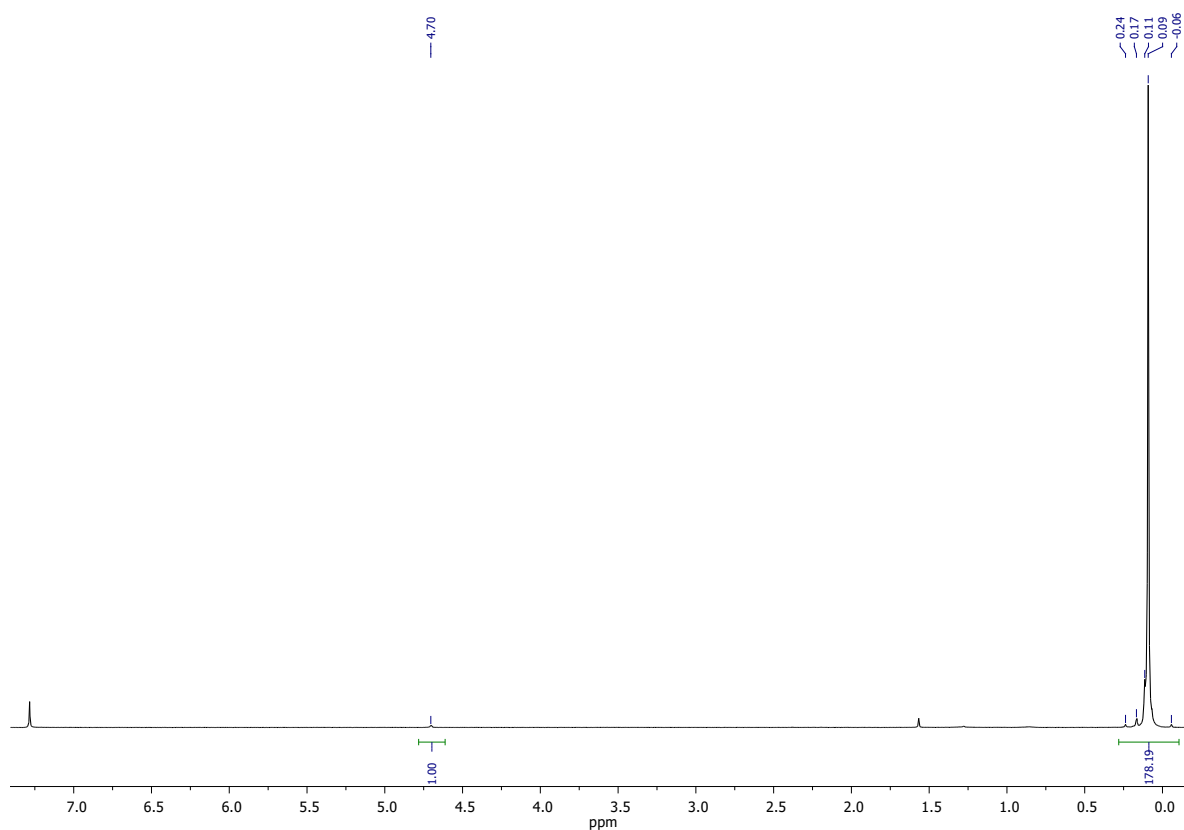


Figure S6. ¹H NMR (500.13 MHz, CDCl₃) of (1B)

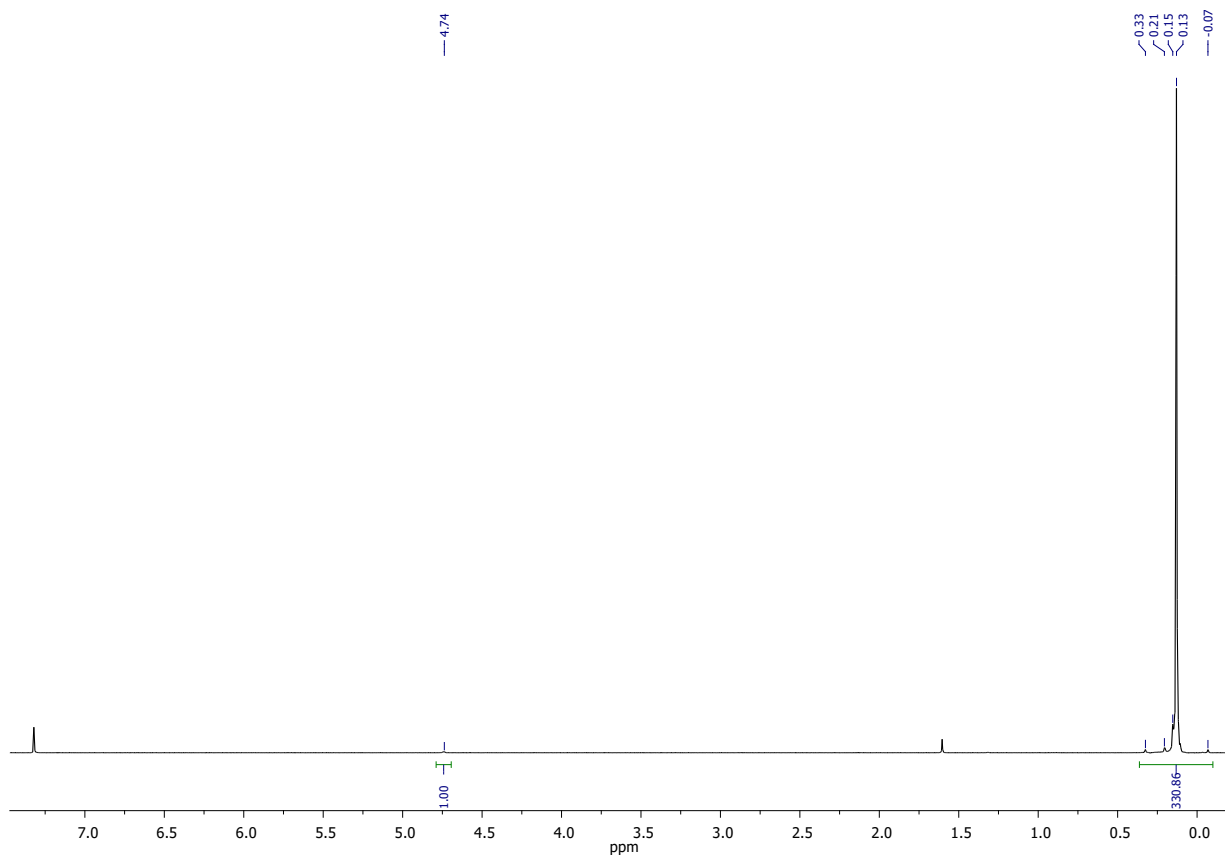


Figure S7. ^1H NMR (500.13 MHz, CDCl_3) of **(1C)**

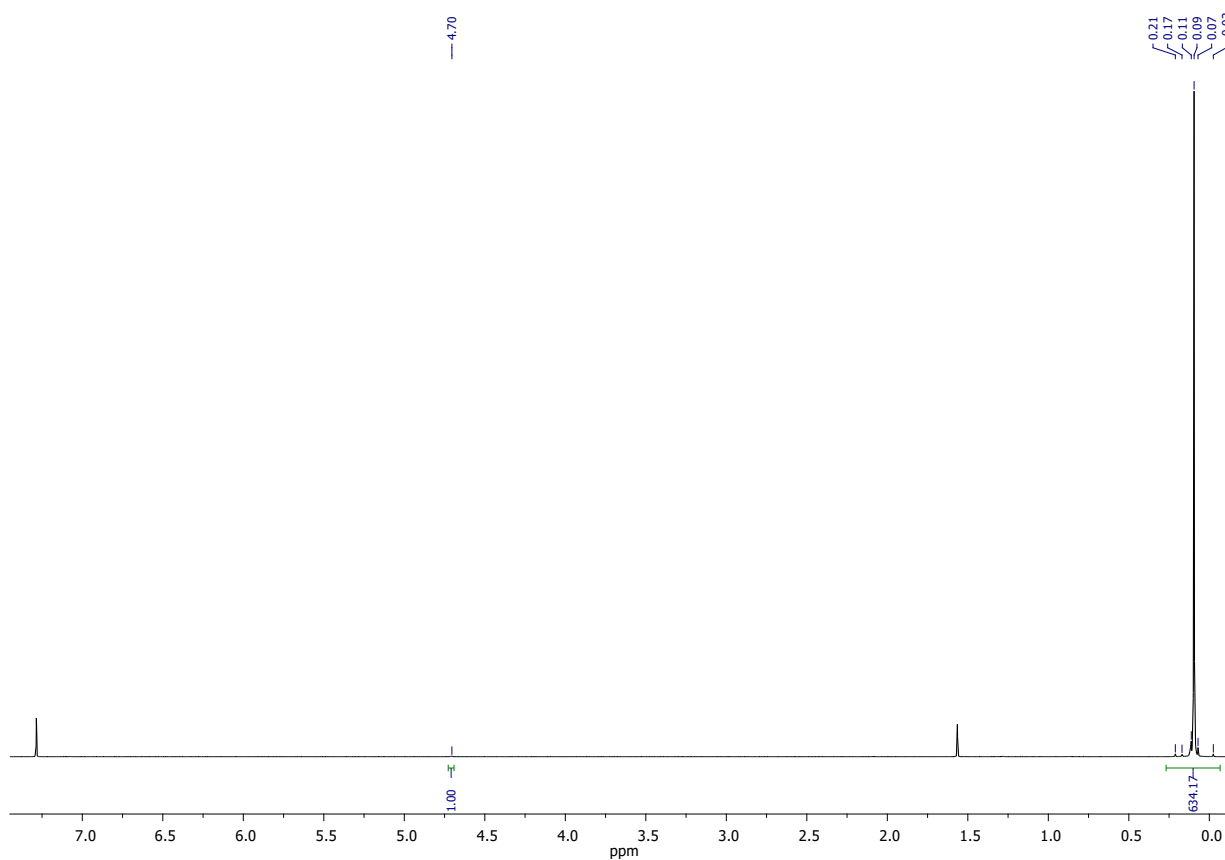


Figure S8. ^1H NMR (500.13 MHz, CDCl_3) of **(1D)**

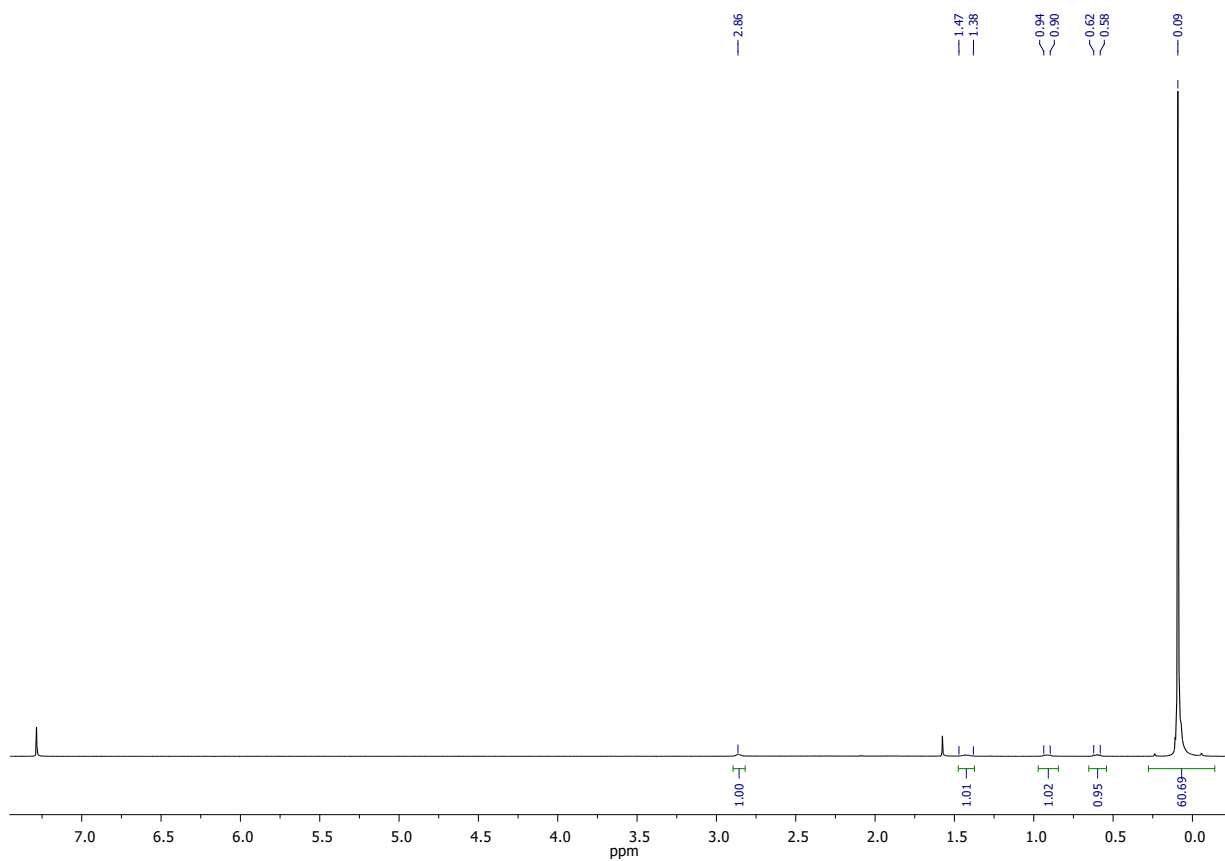


Figure S9. ^1H NMR (500.13 MHz, CDCl_3) of **(2B)**

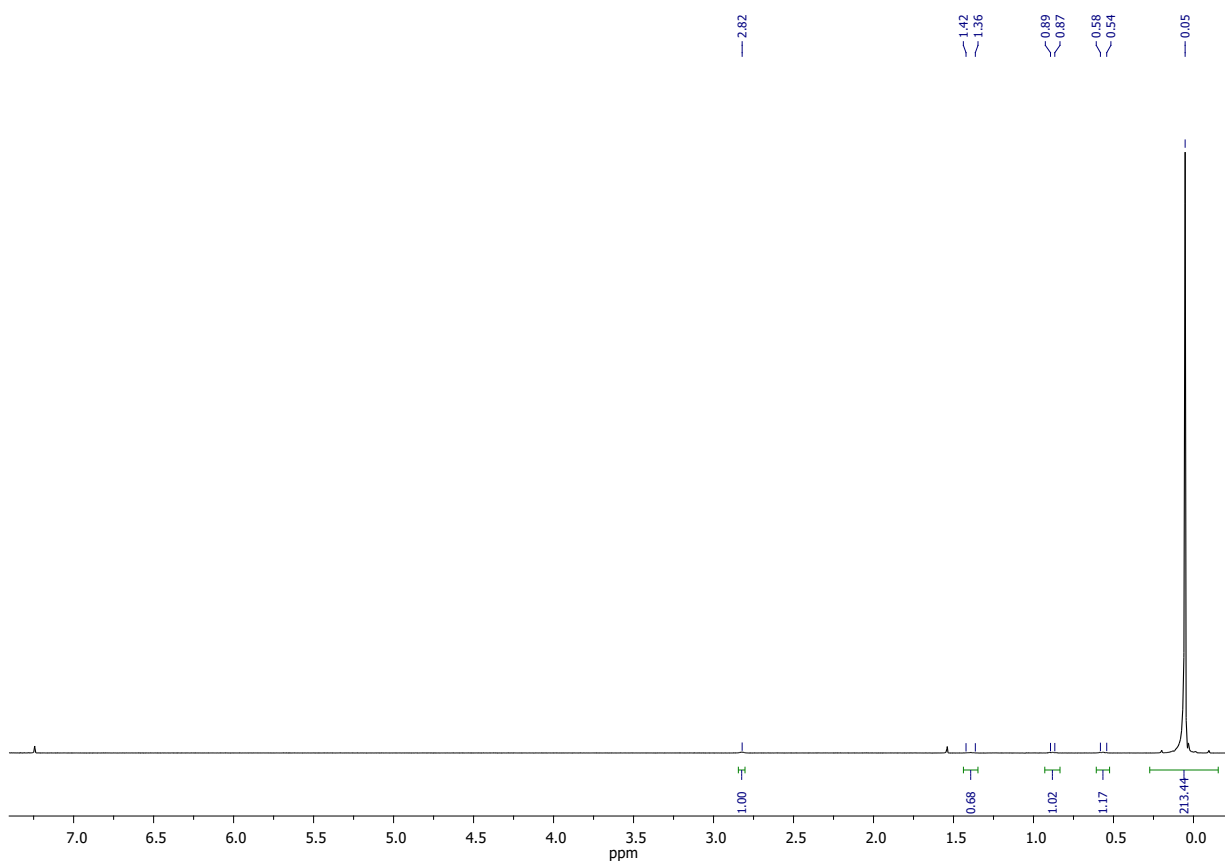


Figure S10. ^1H NMR (500.13 MHz, CDCl_3) of **(2C)**

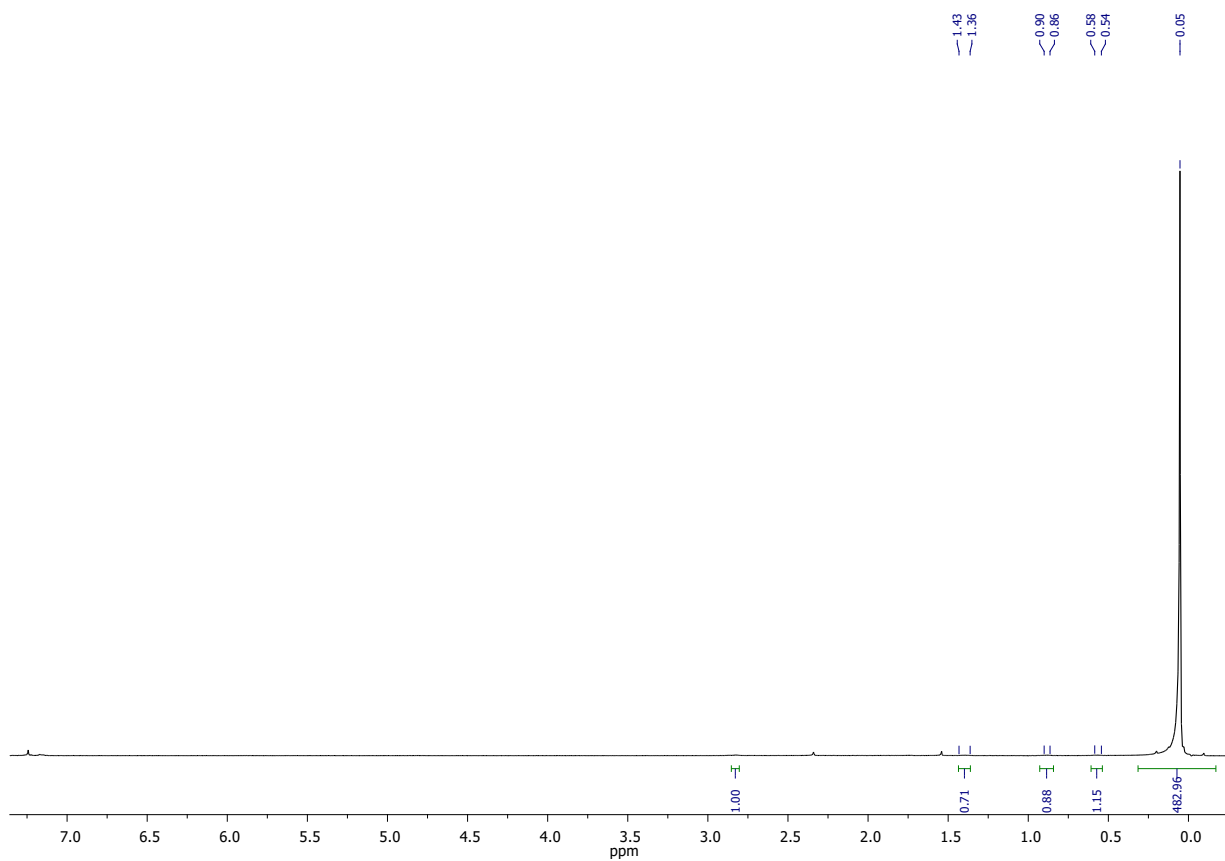


Figure S11. ^1H NMR (500.13 MHz, CDCl_3) of (**2D**)

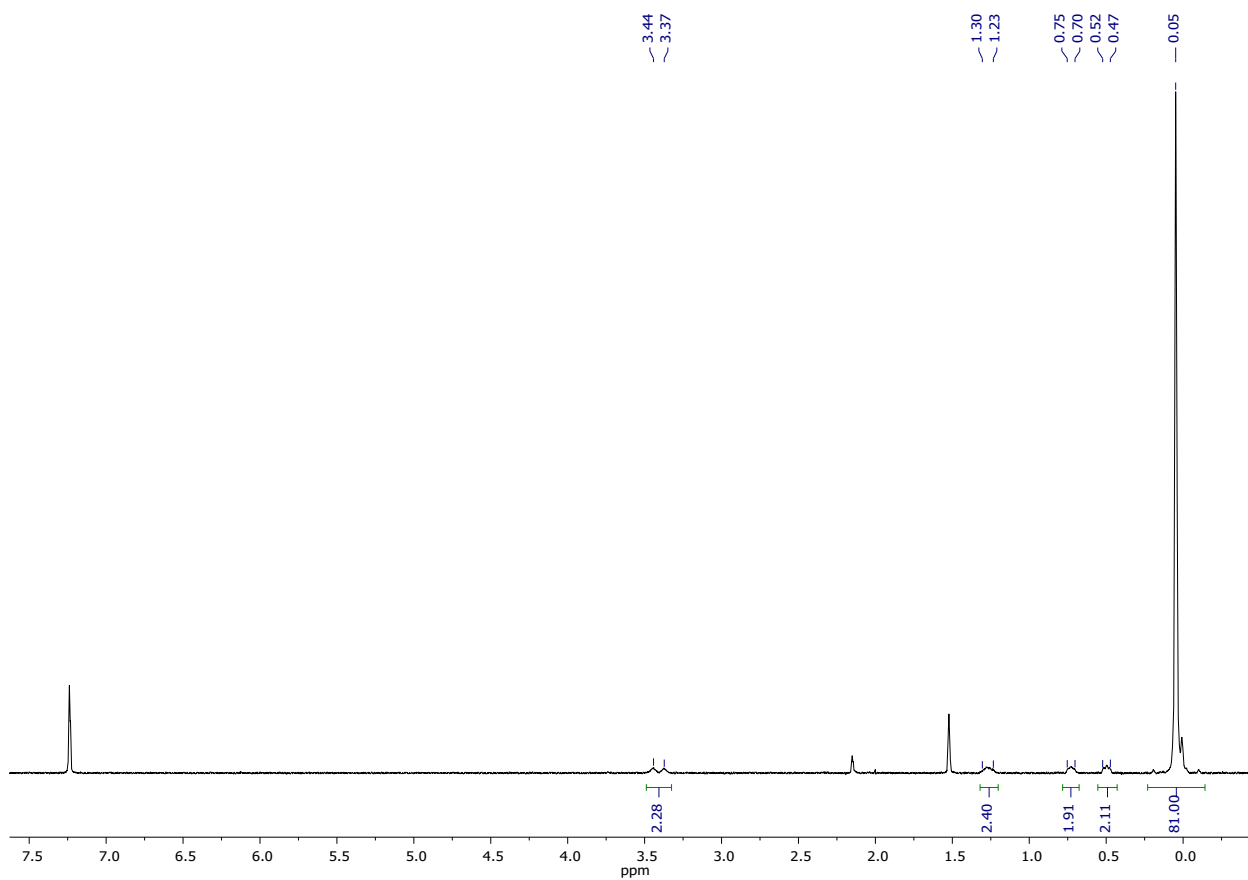


Figure S12. ^1H NMR (500.13 MHz, CDCl_3) of (*o*-**2A**)

NMR data of the compound 3B:

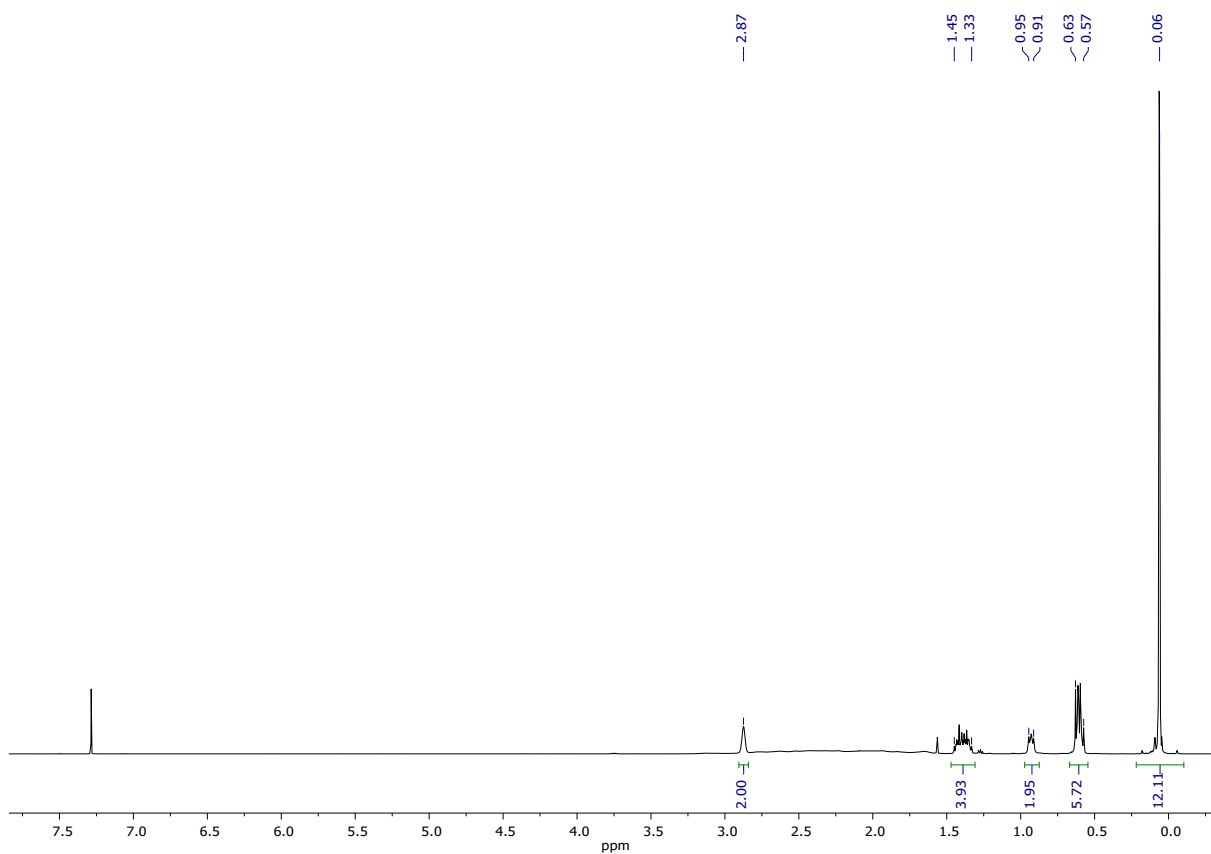


Figure S13. ¹H NMR (500.13 MHz, CDCl₃) of (2B)

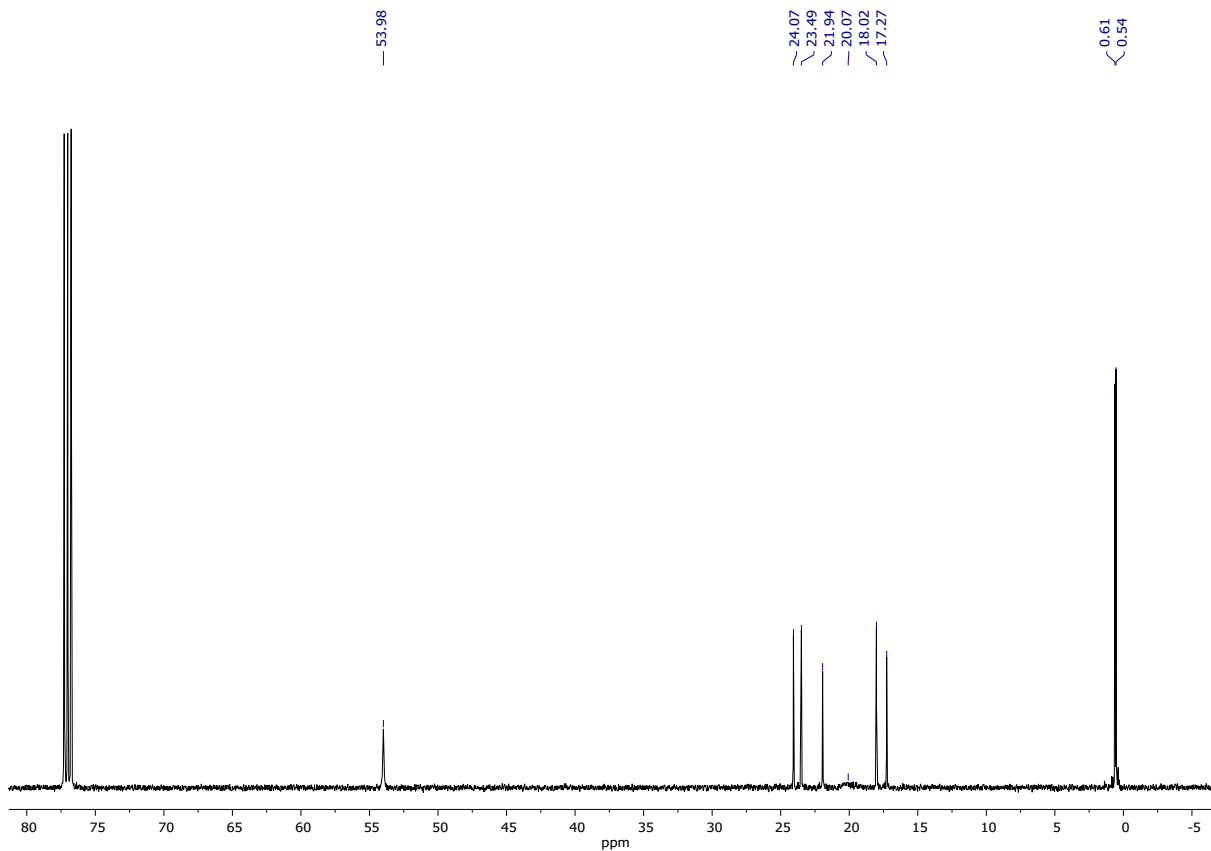


Figure S14. ¹³C NMR (125.47 MHz, CDCl₃) of (2B)

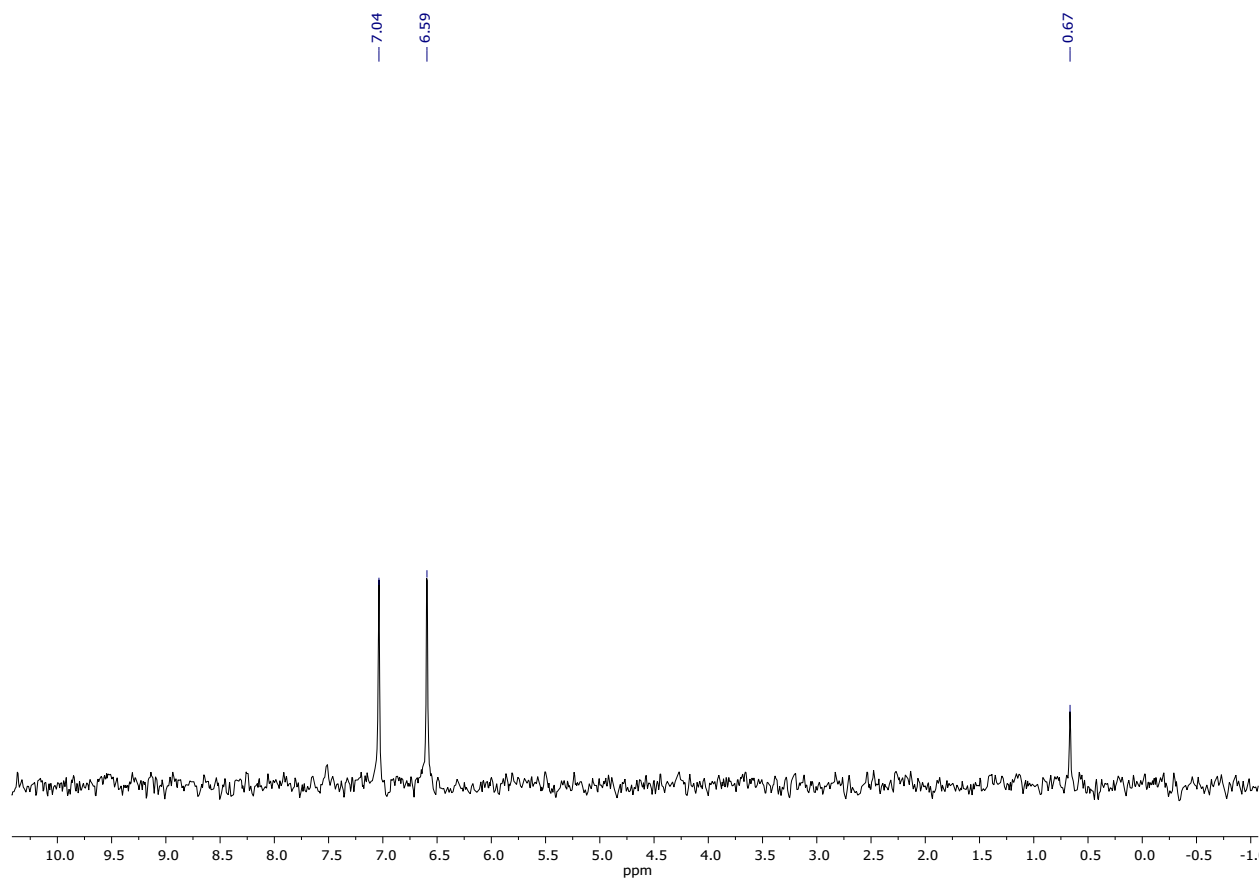


Figure S15. ^{29}Si NMR (99.36 MHz, CDCl_3) of **(2B)**

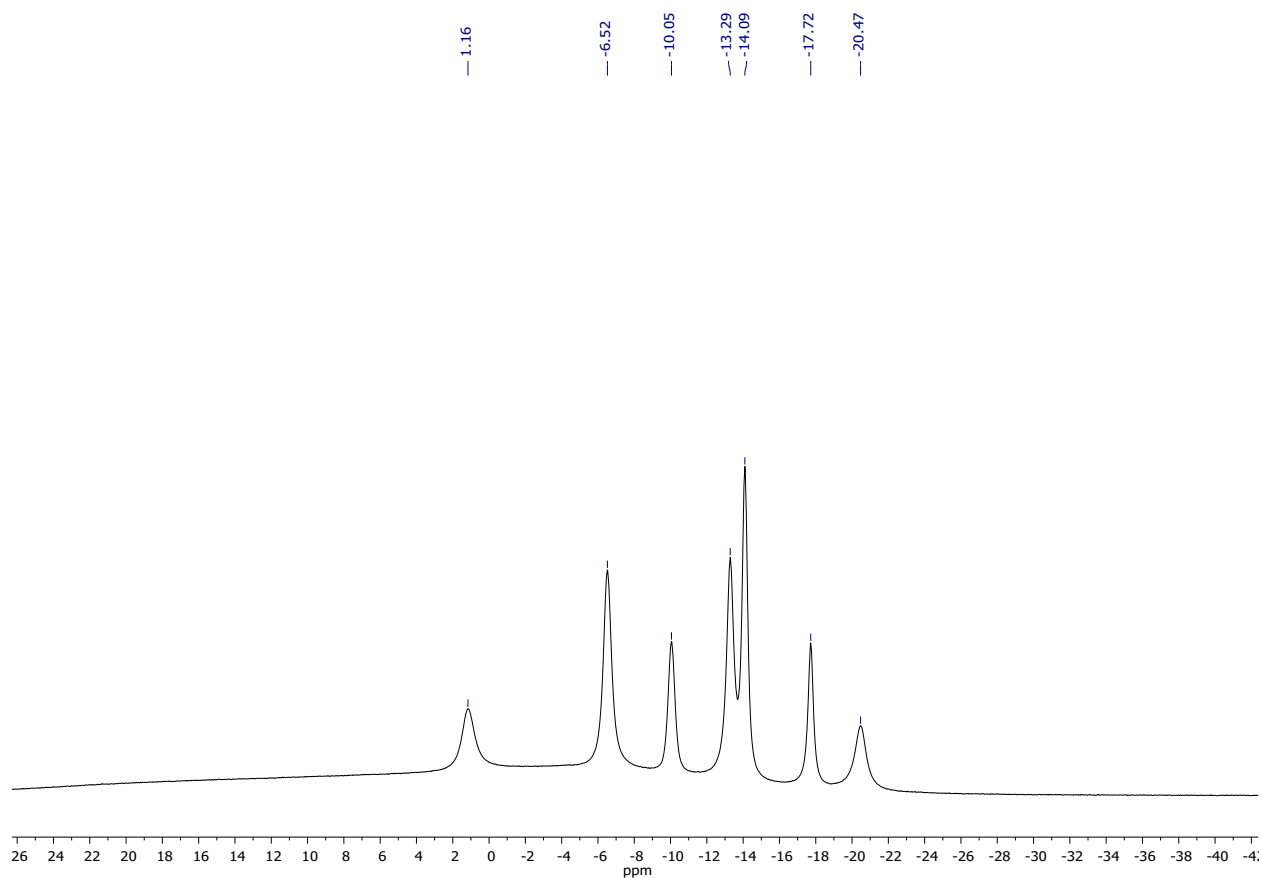


Figure S16. $^{11}\text{B}\{^1\text{H}\}$ NMR (160.46 MHz, CDCl_3) of **(2B)**

IR data

IR data of the compounds 2A – 2D:

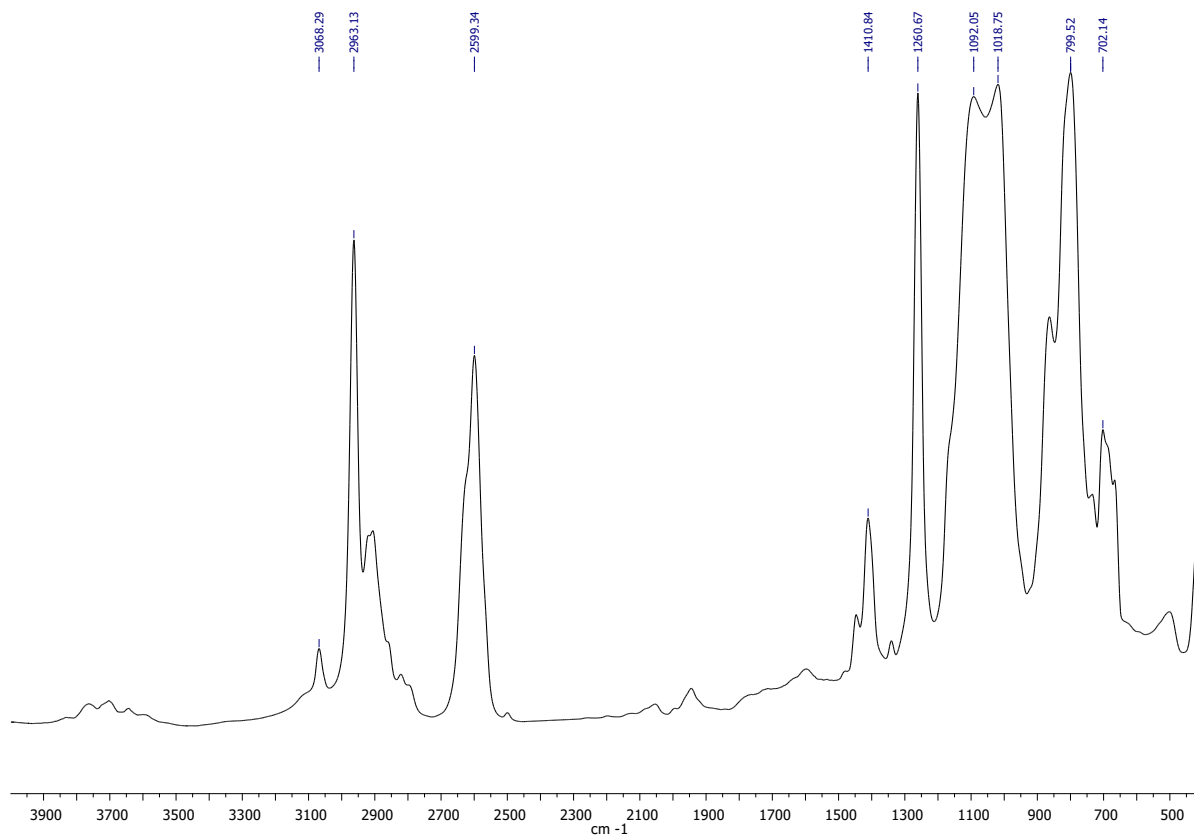


Figure S17. IR (cm⁻¹) of (2A)

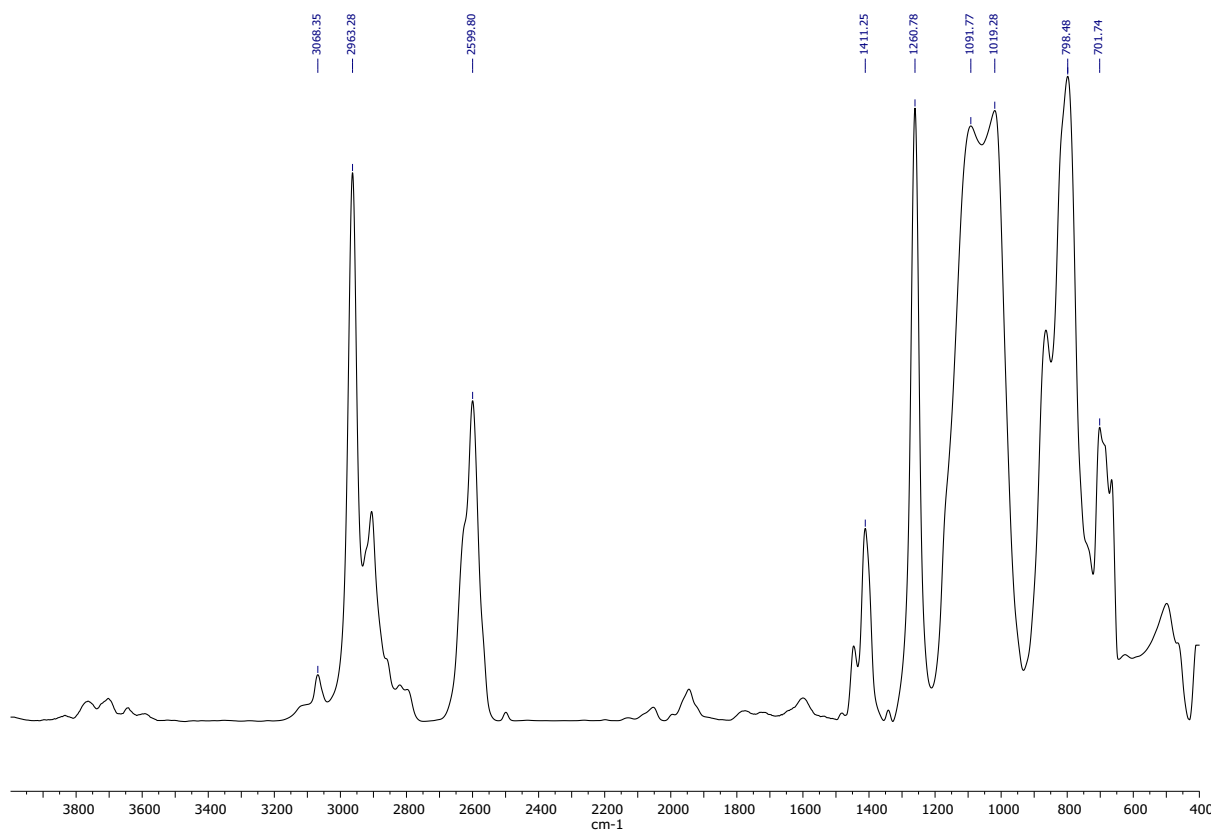


Figure S18. IR (cm⁻¹) of (2B)

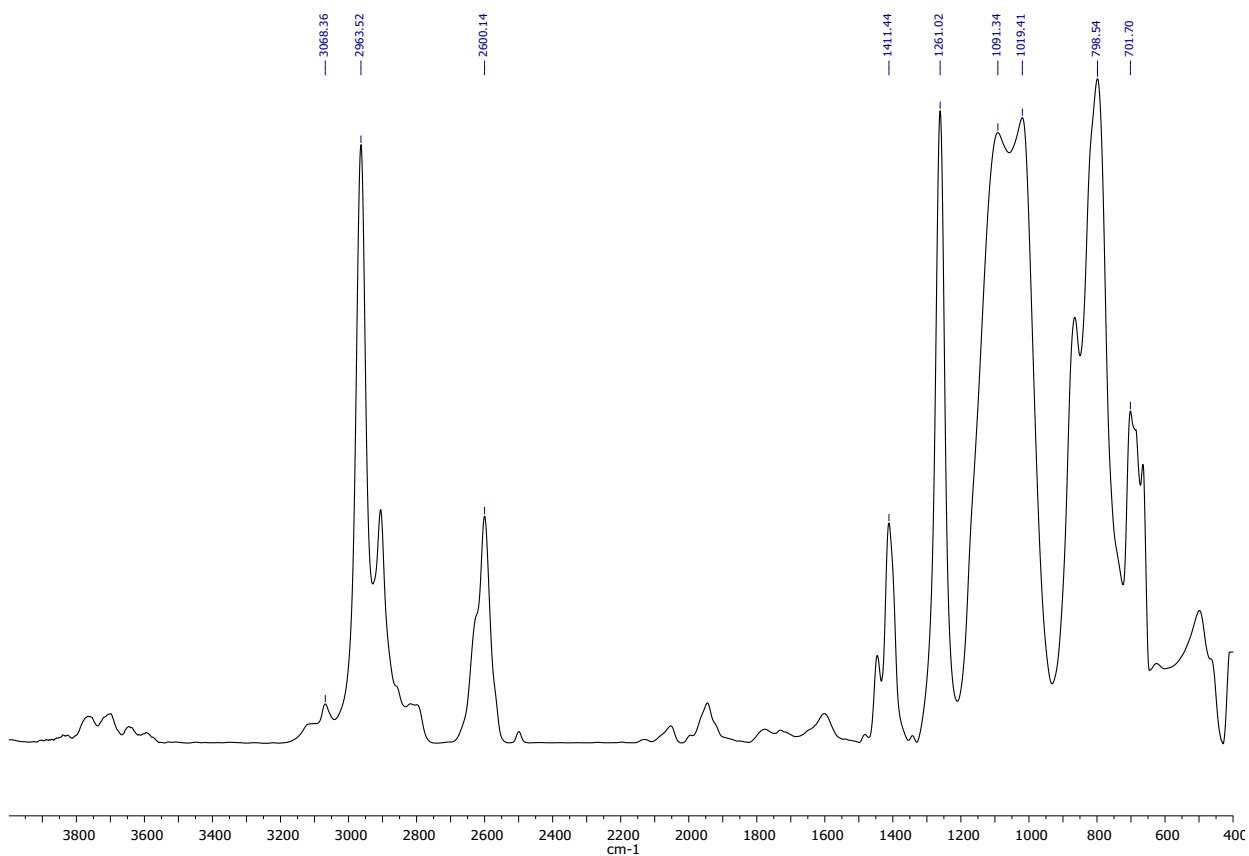


Figure S19. IR (cm⁻¹) of (2C)

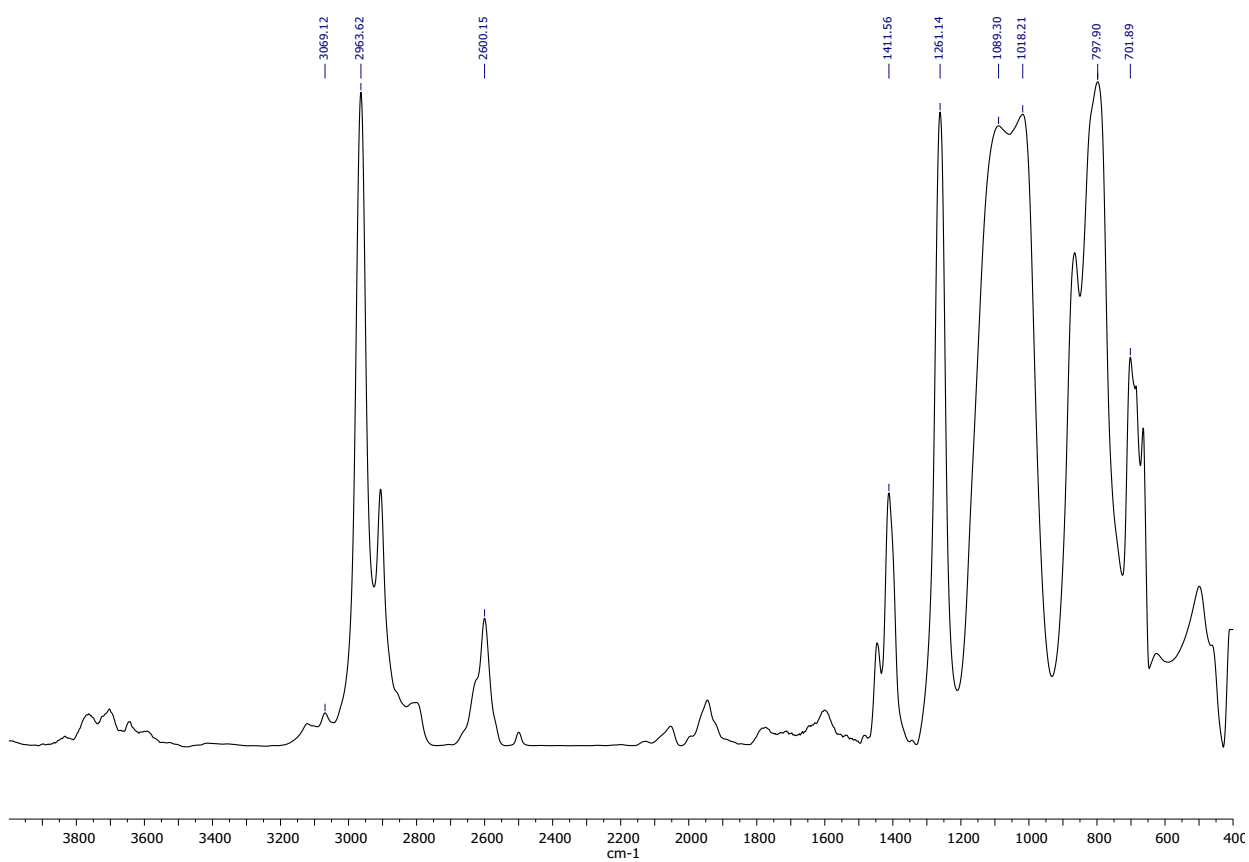


Figure S20. IR (cm⁻¹) of (2D)

IR data of the compound 3B:

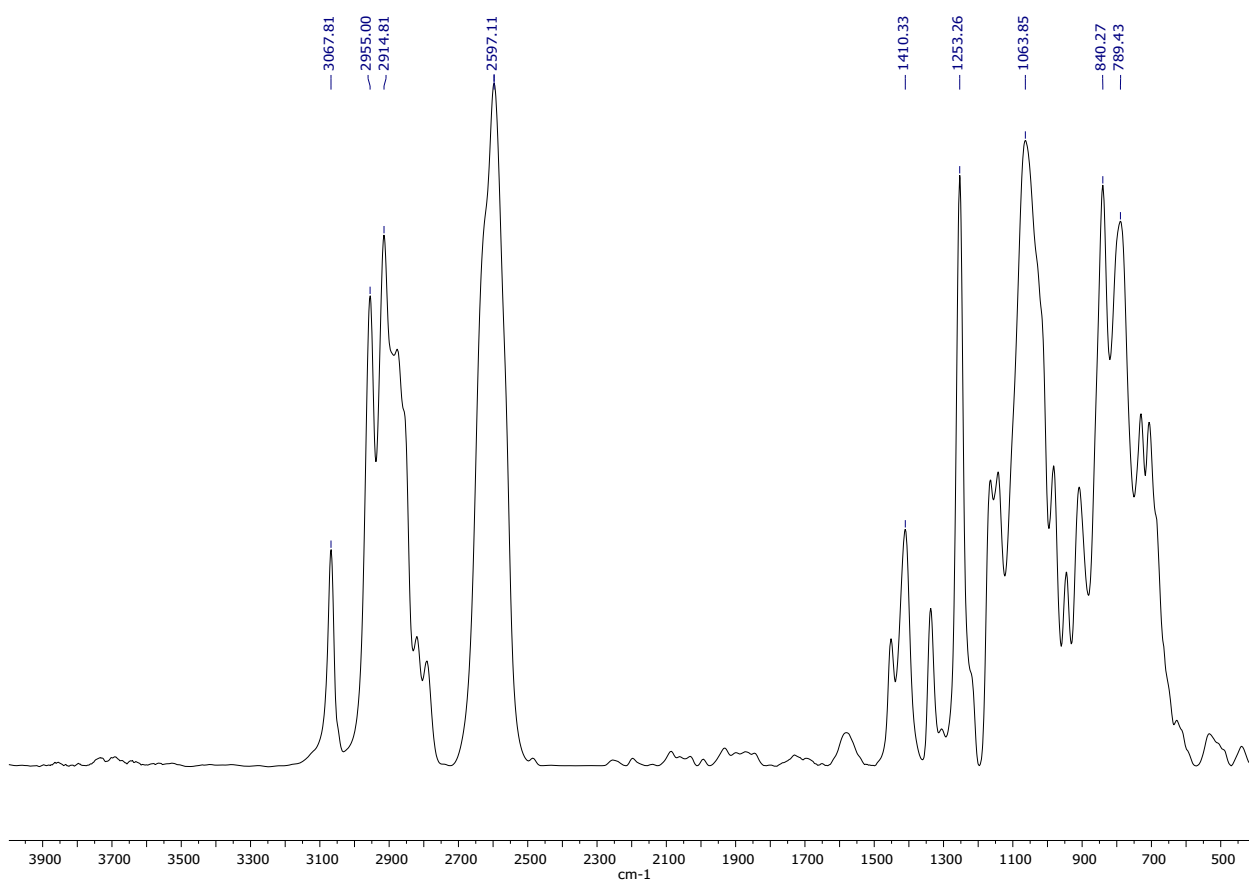


Figure S21. IR (cm⁻¹) of **(2B)**

Rheological studies data

Flow curves of the compounds 2B – 2C, 3:

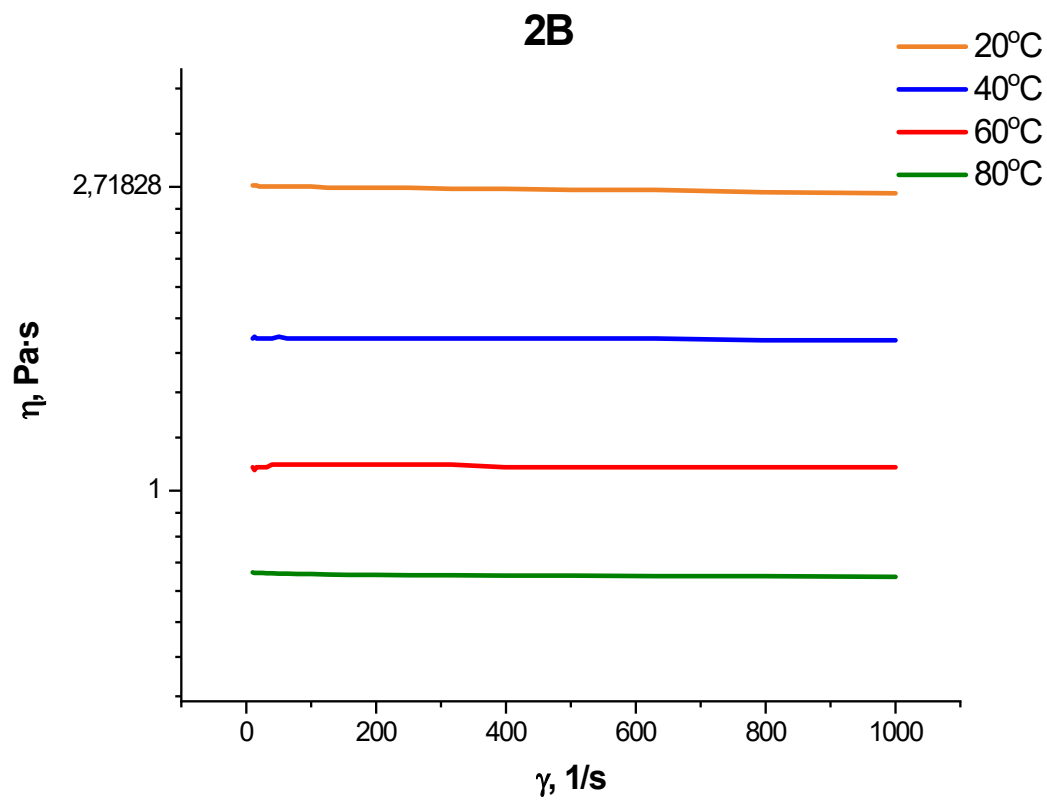


Figure S22. Flow curves of (2B) at various temperatures

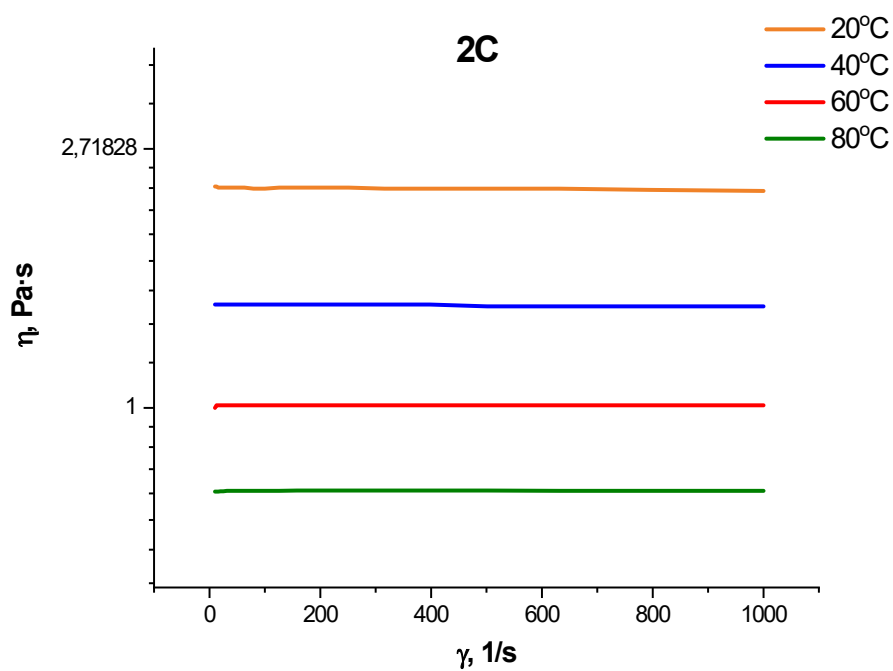


Figure S23. Flow curves of (2C) at various temperatures

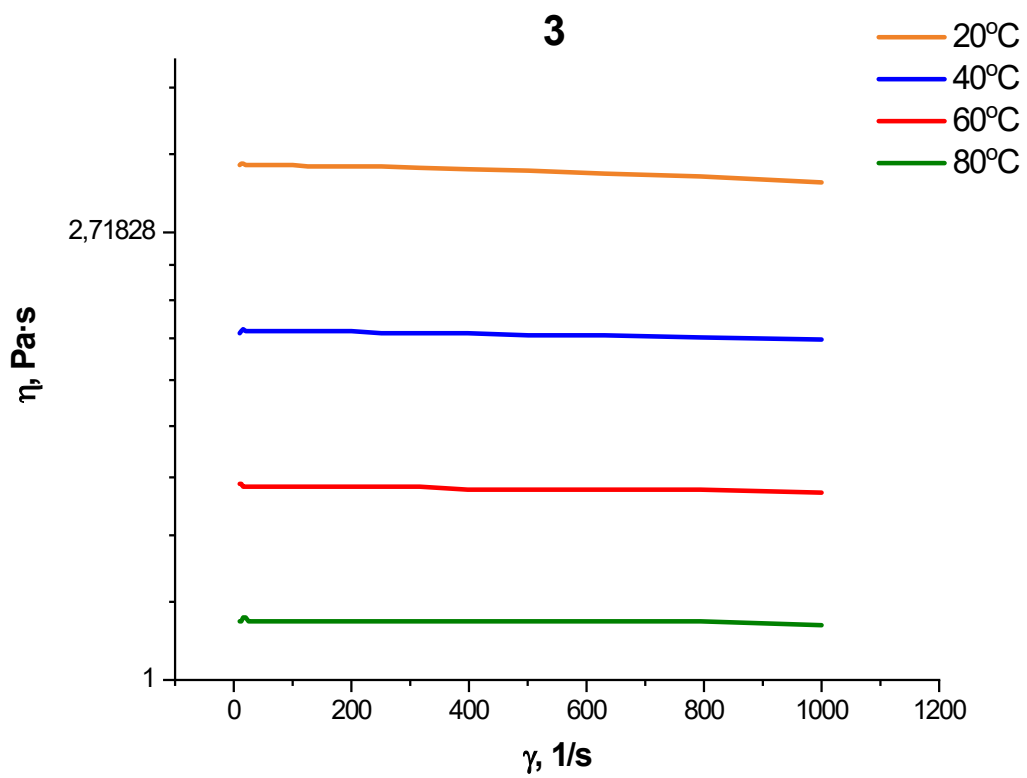


Figure S24. Flow curves of **(3)** at various temperatures

DSC data of the compound 2A

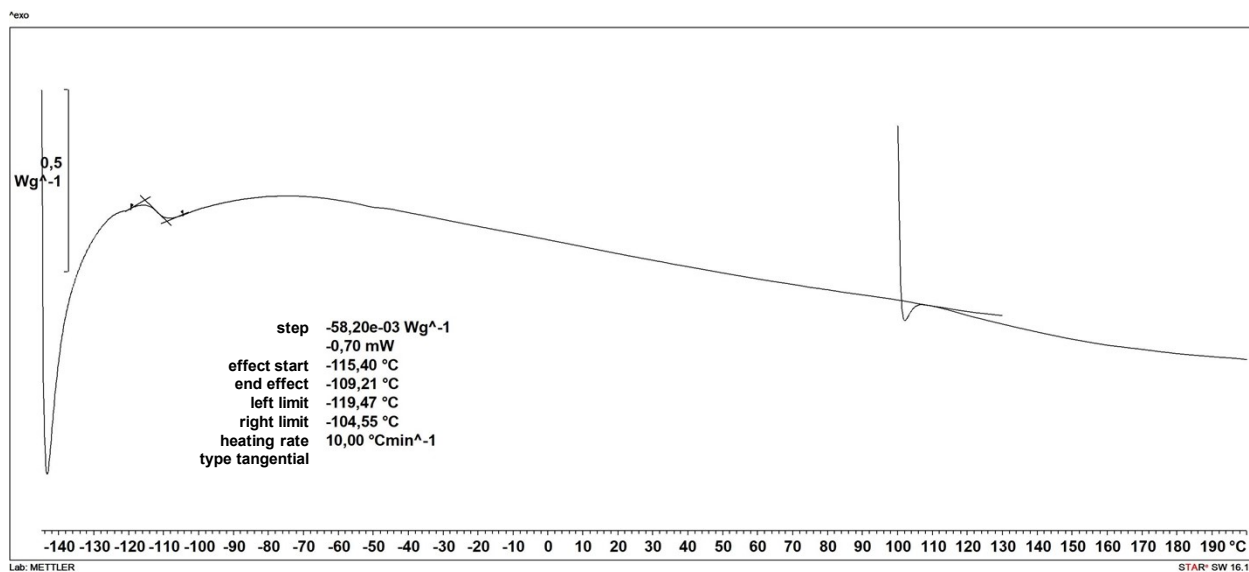


Figure S25. DSC curve of (2A) (1) at a heating rate of 10°C/min