

Supporting Information for
Unsaturated Poly(phosphoester)s via Ring-Opening Metathesis
Polymerization

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330.

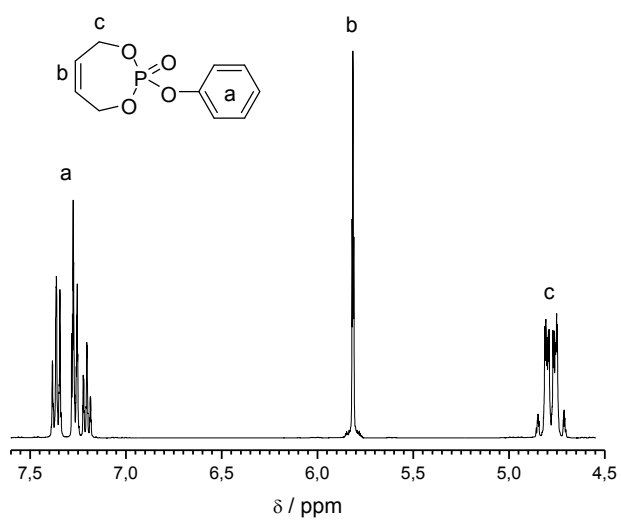


Figure S1: ¹H NMR spectrum of **1** (400 MHz, CDCl₃).

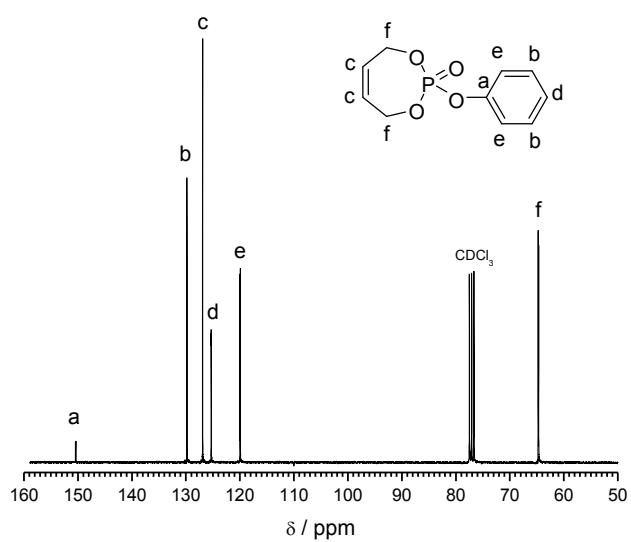


Figure S2: ¹³C NMR spectrum of **1** (75 MHz, CDCl₃).

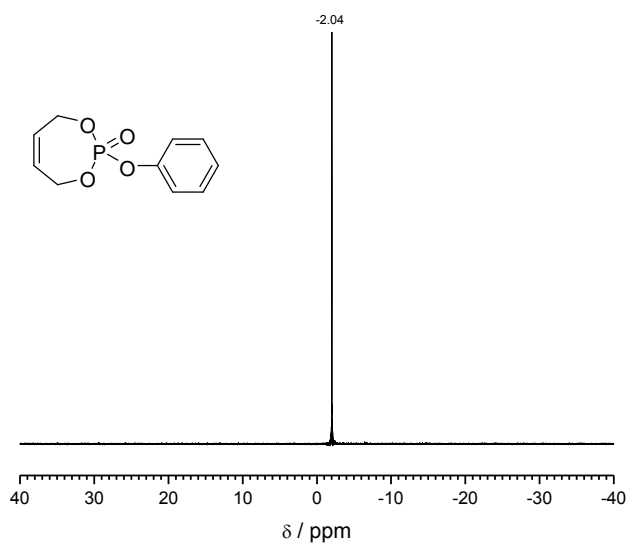


Figure S3: ^{31}P NMR spectrum of **1** (162 MHz, CDCl_3).

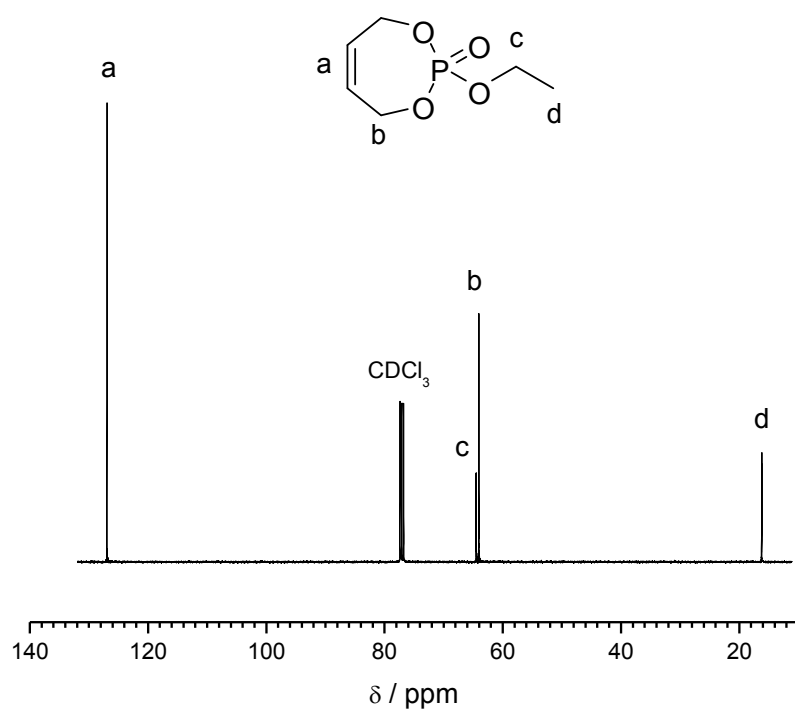


Figure S4: ^{13}C NMR spectrum of **2** (100 MHz, CDCl_3).

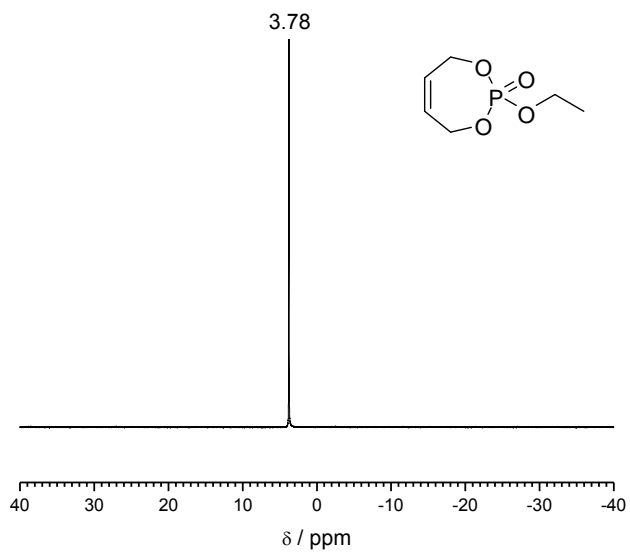


Figure S5: ^{31}P NMR spectrum of **2** (162 MHz, CDCl_3).

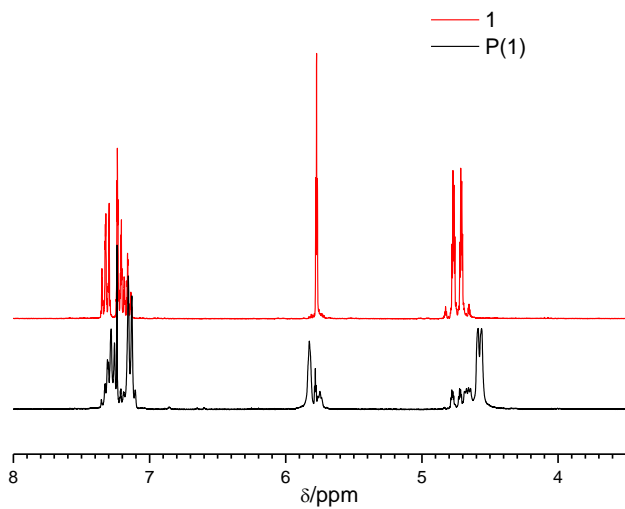


Figure S6: Overlay of the ^1H NMR spectra of **1** and Poly(**1**) (300 MHz, CDCl_3).

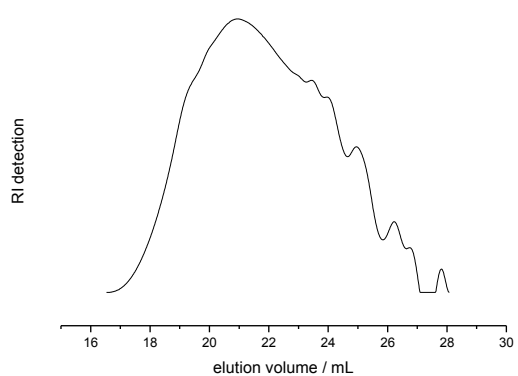


Figure S7: GPC elugram of poly(1) in chloroform.

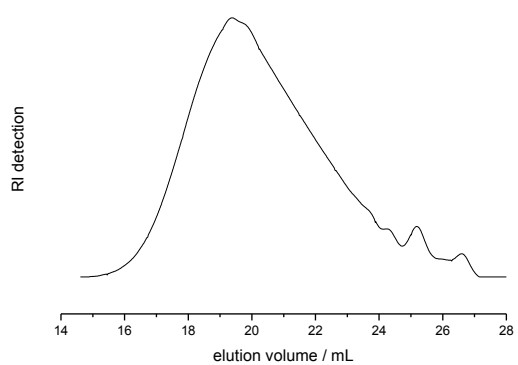


Figure S8: GPC elugram of poly(2) in chloroform.

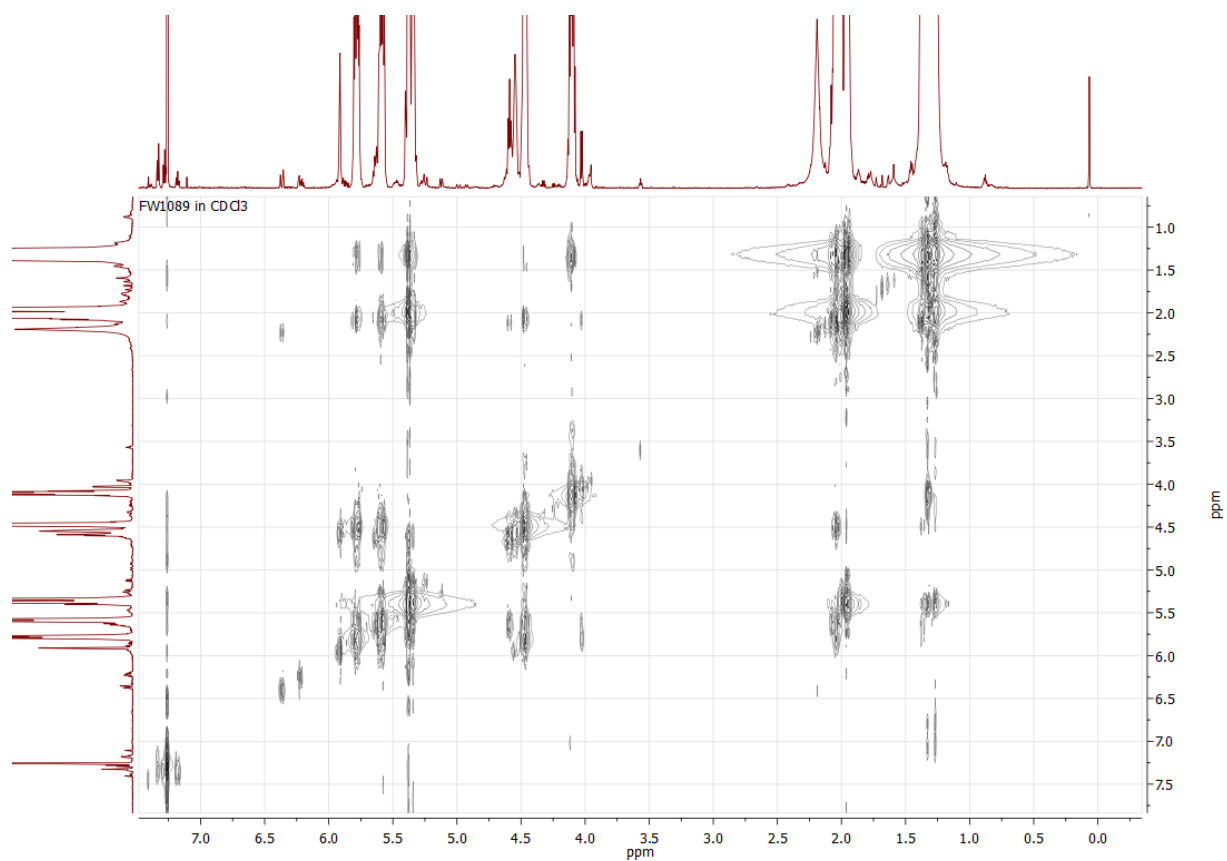


Figure S9: TOCSY-NMR of **P3** in CDCl₃ (700 MHz).

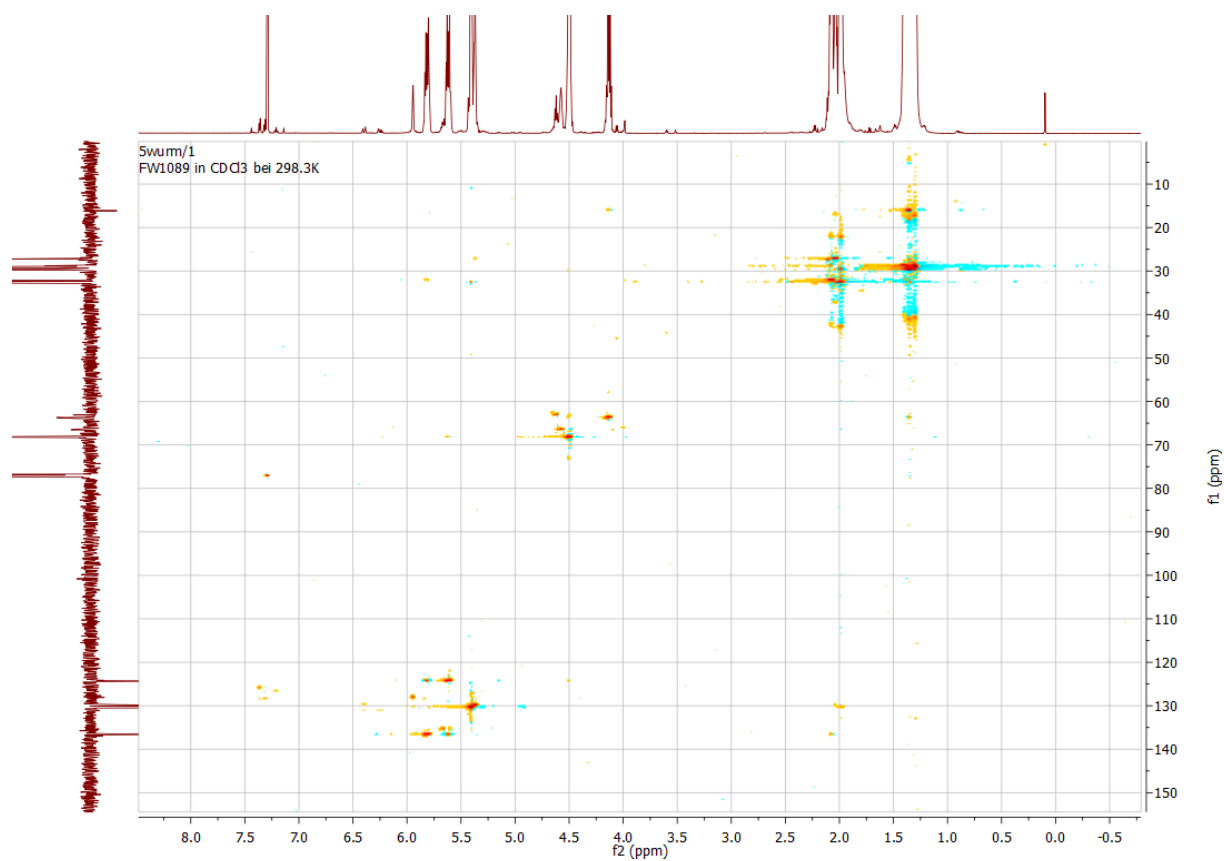


Figure S10: ^1H - ^{13}C (dept)-HSQC NMR of **P3** in CDCl_3 (700 MHz).

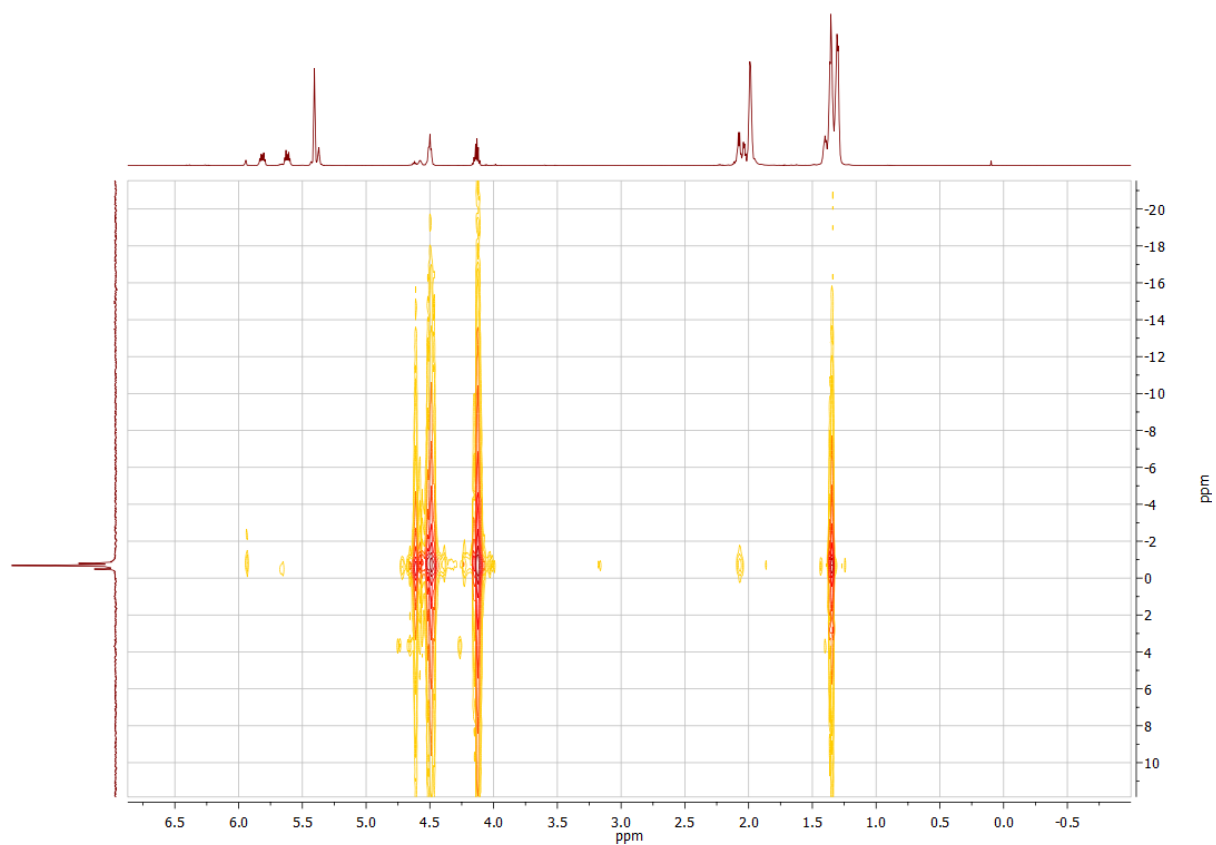


Figure S11: ^1H - ^{31}P -HSQC NMR of **P3** in CDCl_3 (700 MHz).

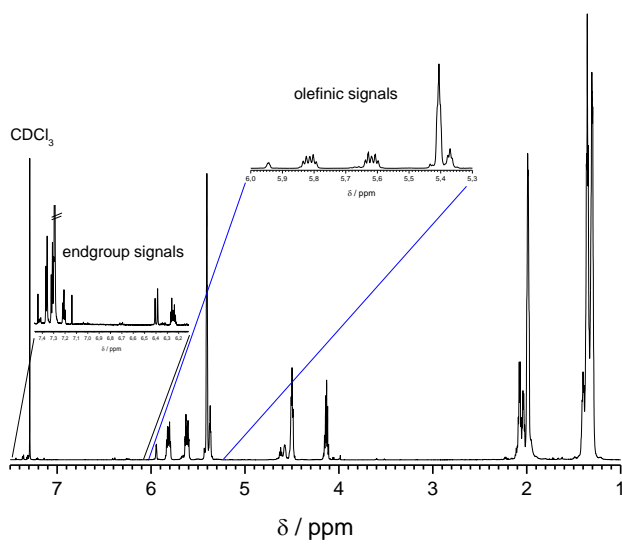


Figure S12: ^1H NMR of **P3** in CDCl_3 (700 MHz).

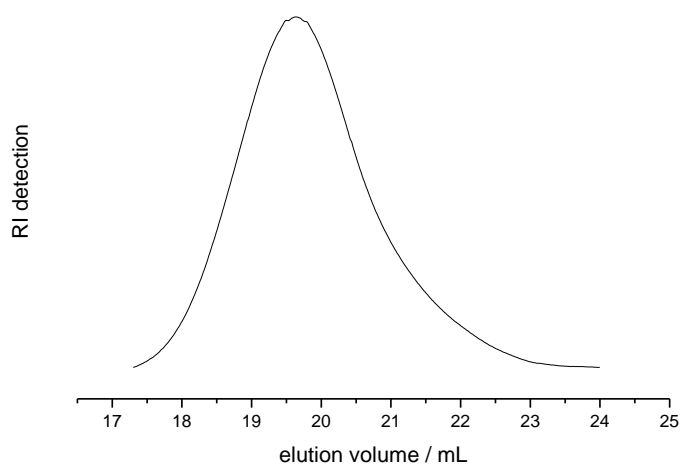


Figure S13: Representative SEC elugram for a copolymer of 2 and CO (**P3**).

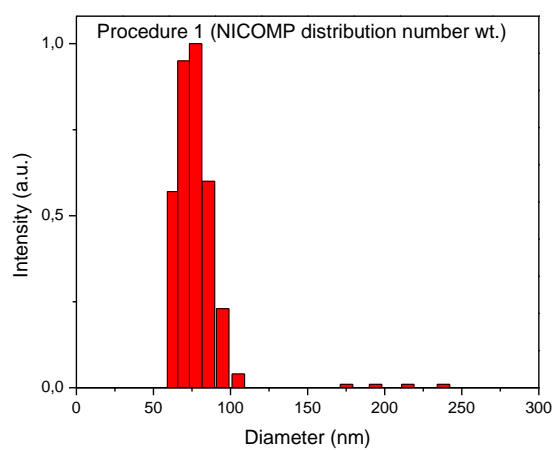


Figure S14: Dynamic light scattering results of nanoparticles from **P2** (synthesized via procedure 1).

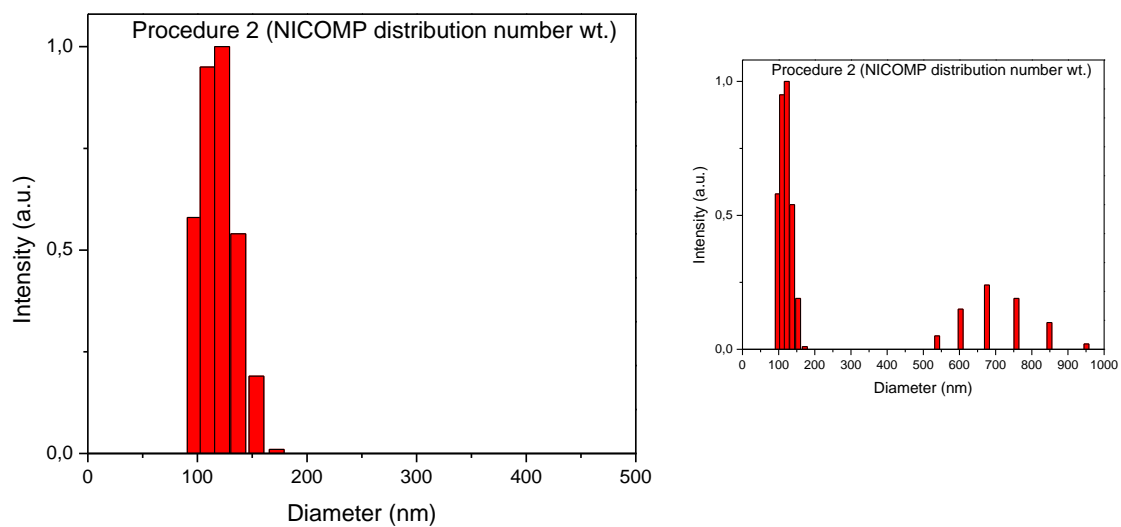


Figure S15: Dynamic light scattering results of nanoparticles from **P2** (synthesized via procedure 2, right: in some cases partly aggregation can be determined).