

SUPPORTING INFORMATION

Exploring hydrophobic diastereomeric 2,6-anhydro-glycoheptitols for their enzymatic polymerization with PEG: Towards delivery applications

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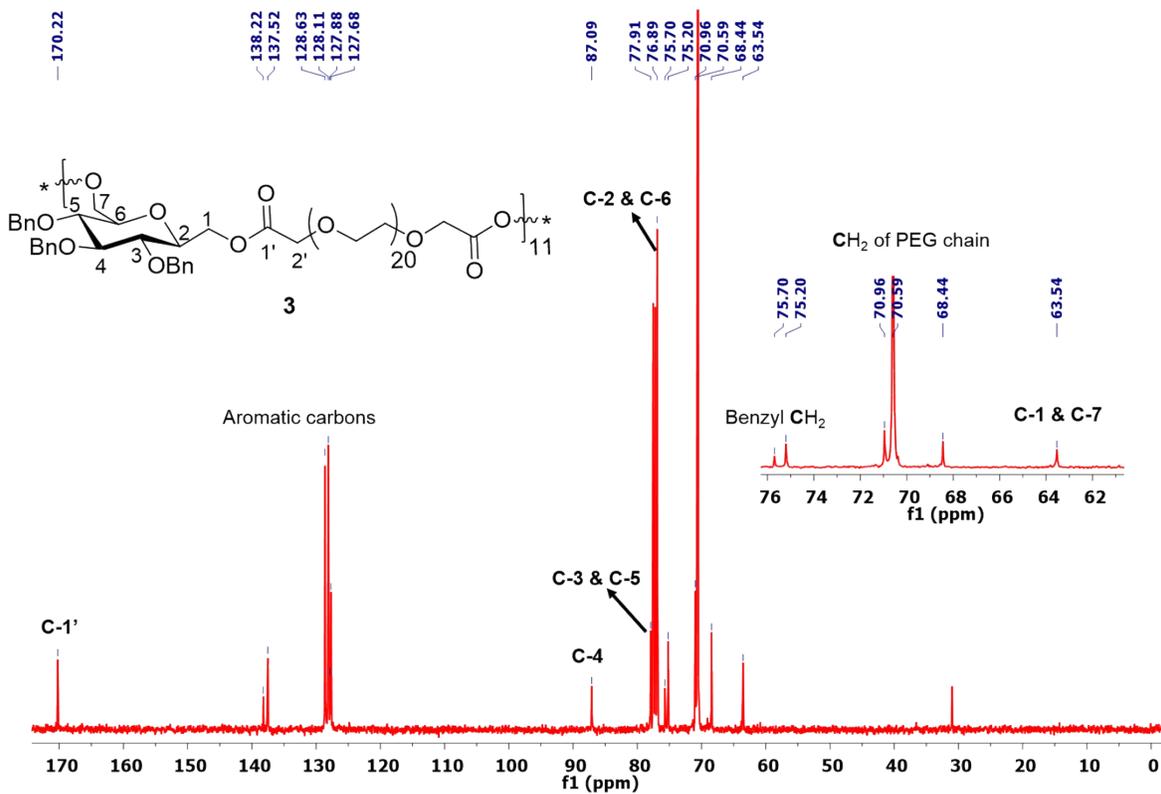
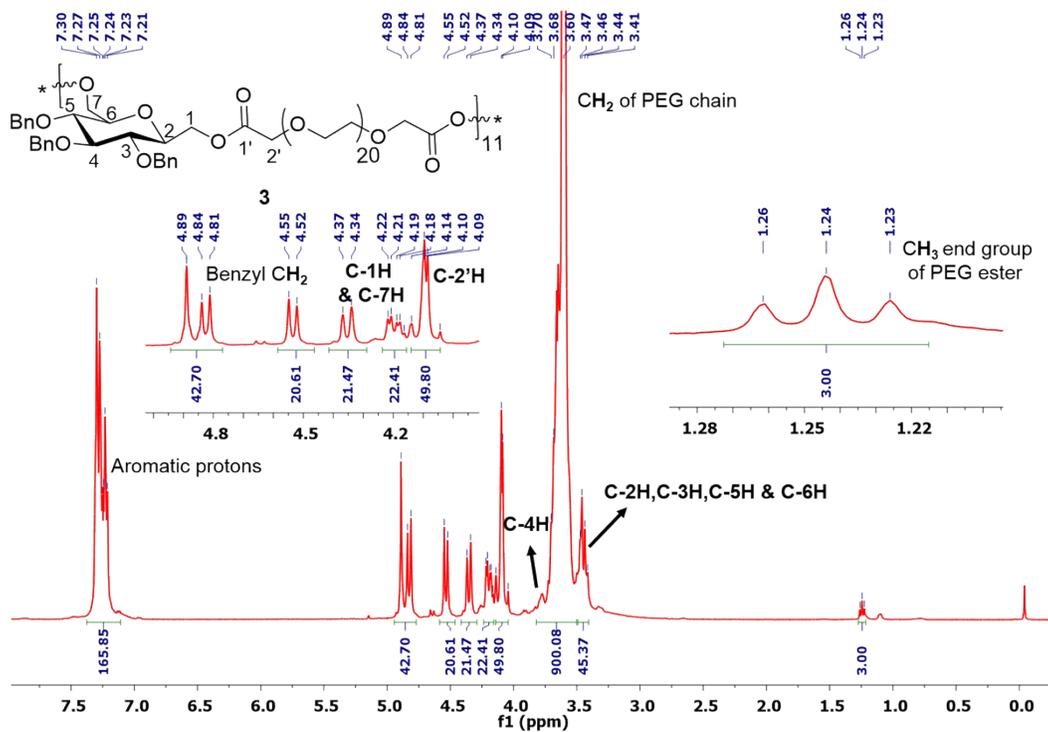
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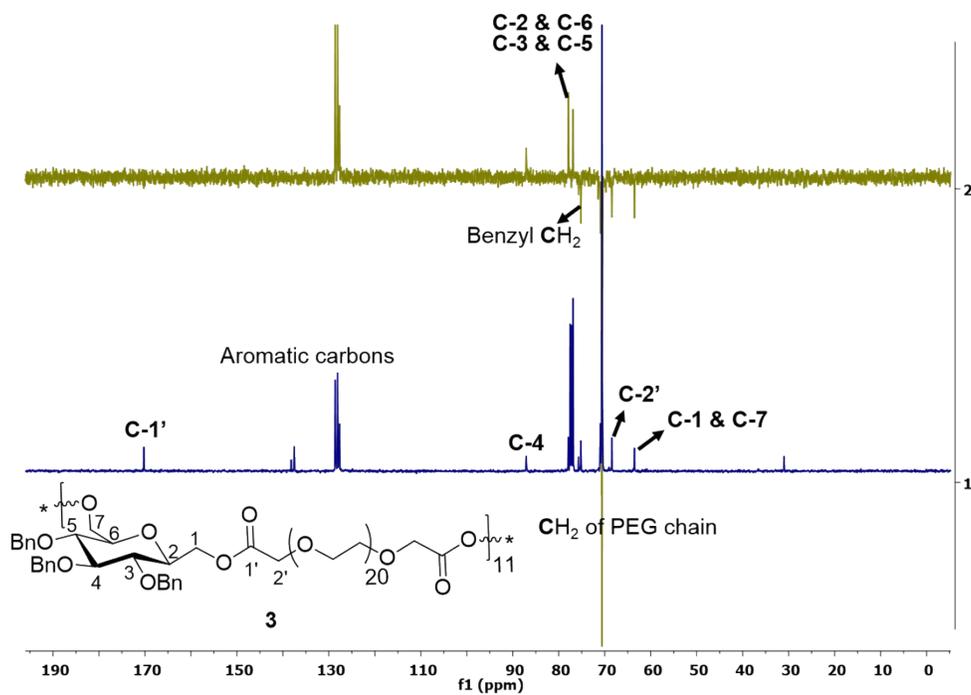


Figure 3. DEPT-135 NMR spectrum of copolymer **3** (100.6 MHz, CDCl₃)

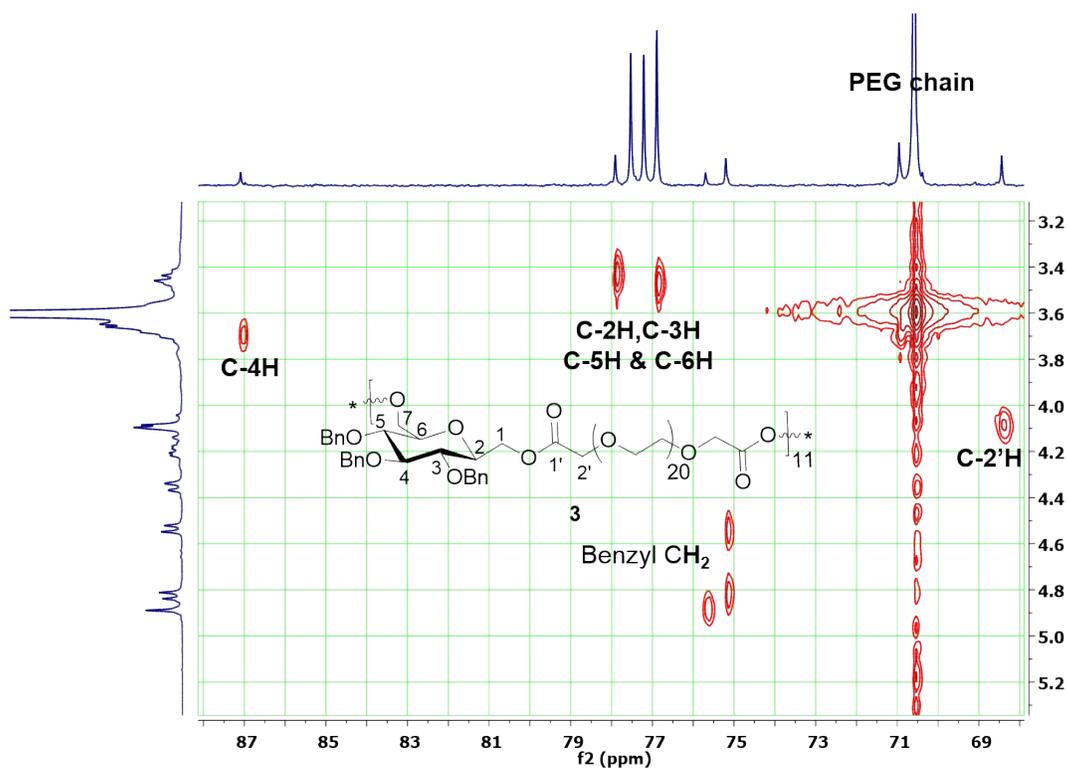


Figure 4. Partial ¹H-¹³C HETCOR spectrum of copolymer **3** (400 MHz, CDCl₃)

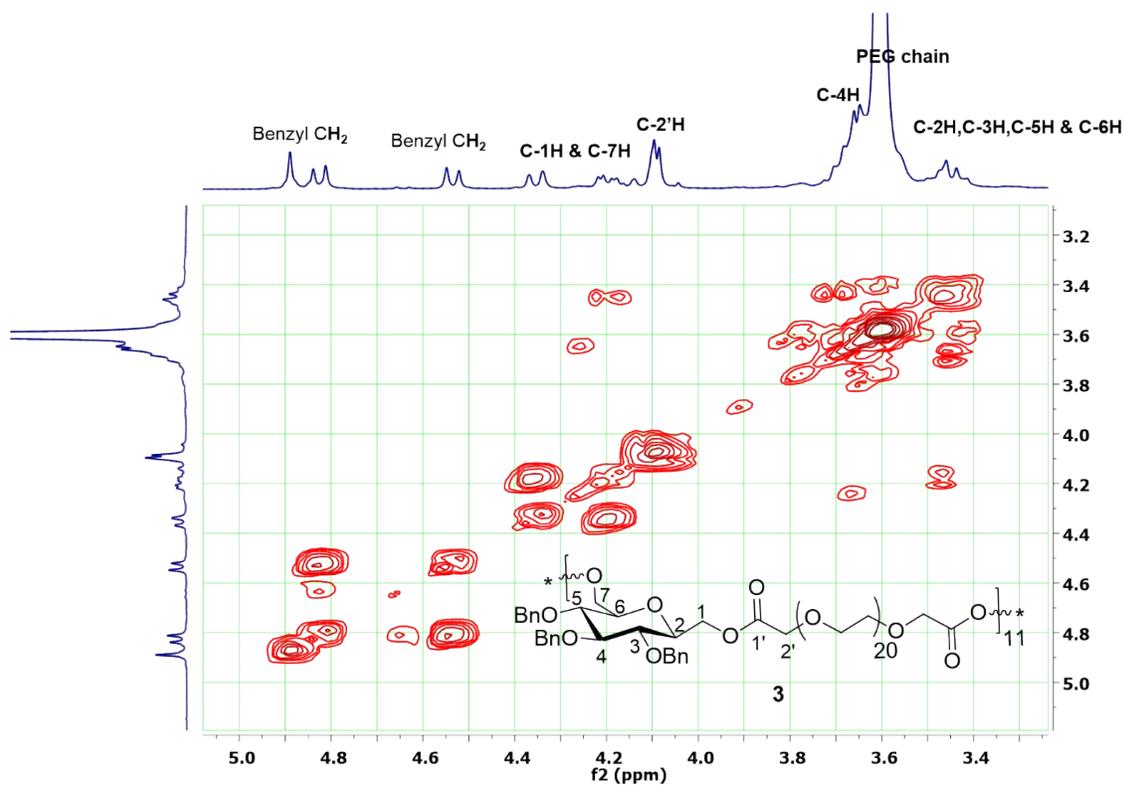


Figure 5. Partial ^1H - ^1H COSY spectrum of copolymer **3** (400 MHz, CDCl_3)

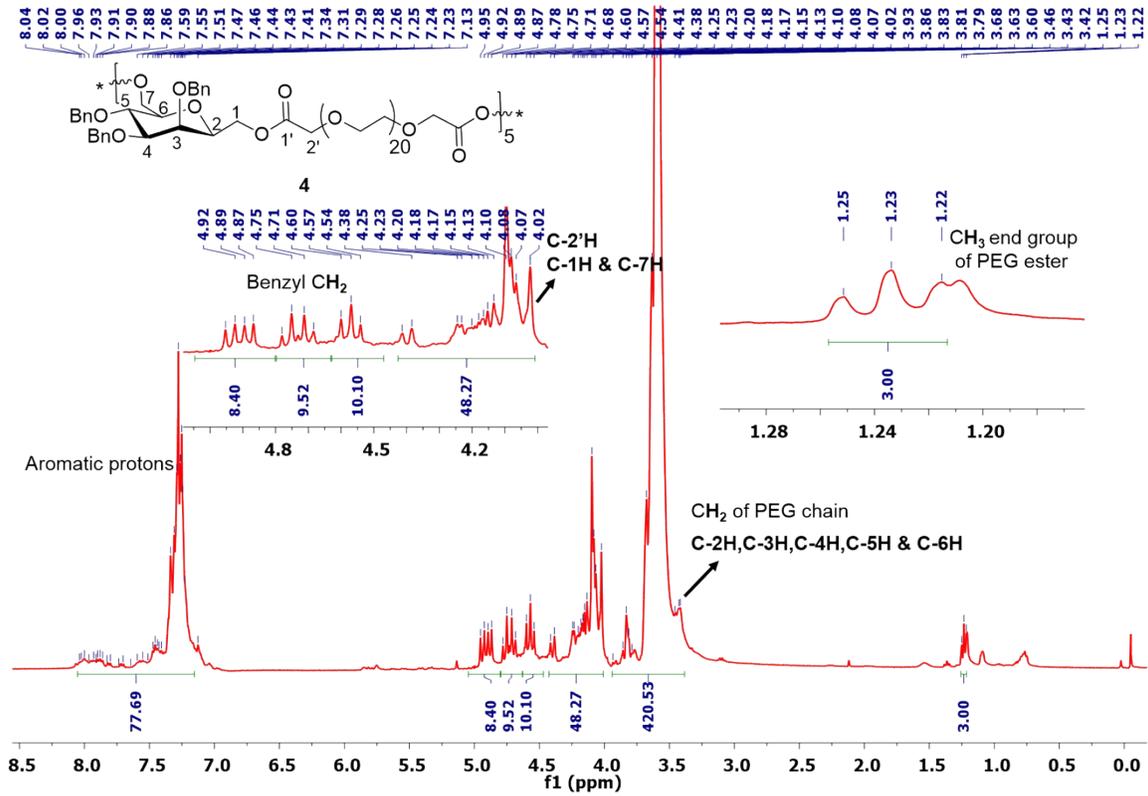


Figure 6. ^1H NMR spectrum of copolymer 4 (400 MHz, CDCl_3)

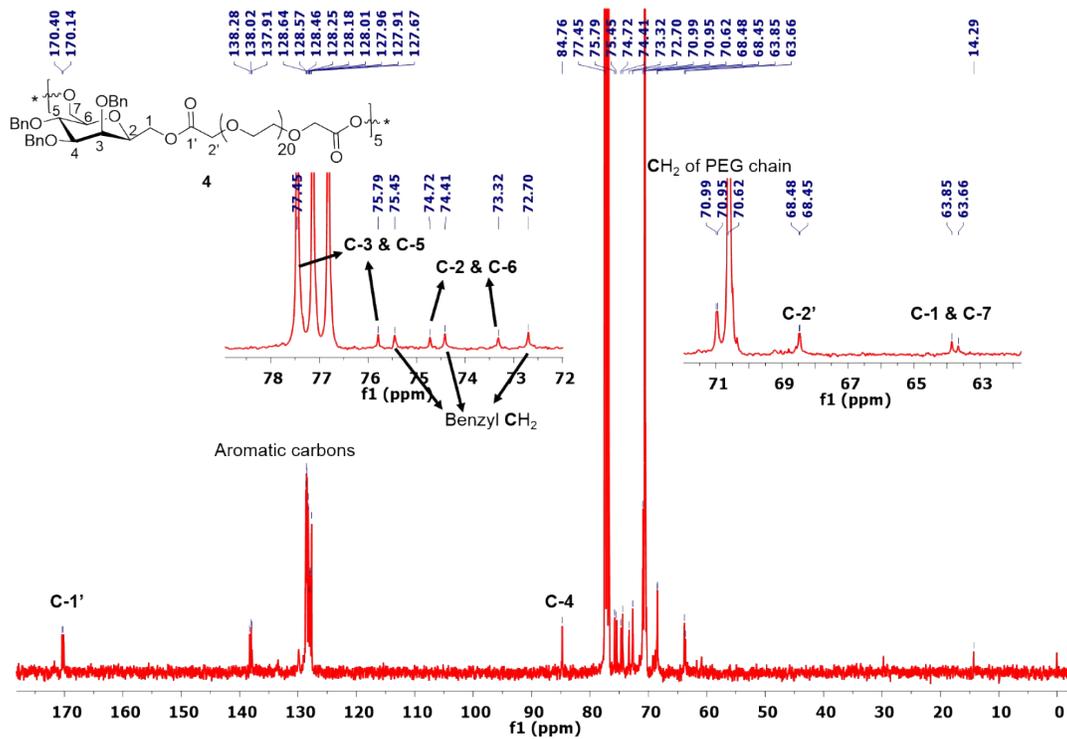


Figure 7. ^{13}C NMR spectrum of copolymer 4 (100.6 MHz, CDCl_3)

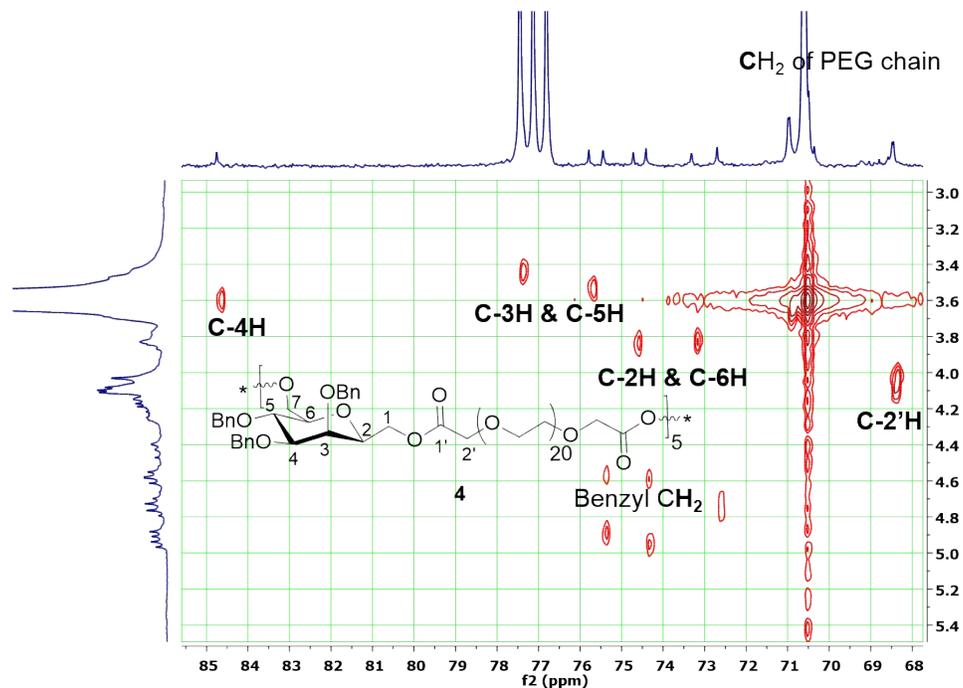


Figure 8. Partial ^1H - ^{13}C HETCOR spectrum of copolymer **4** (400 MHz, CDCl_3)

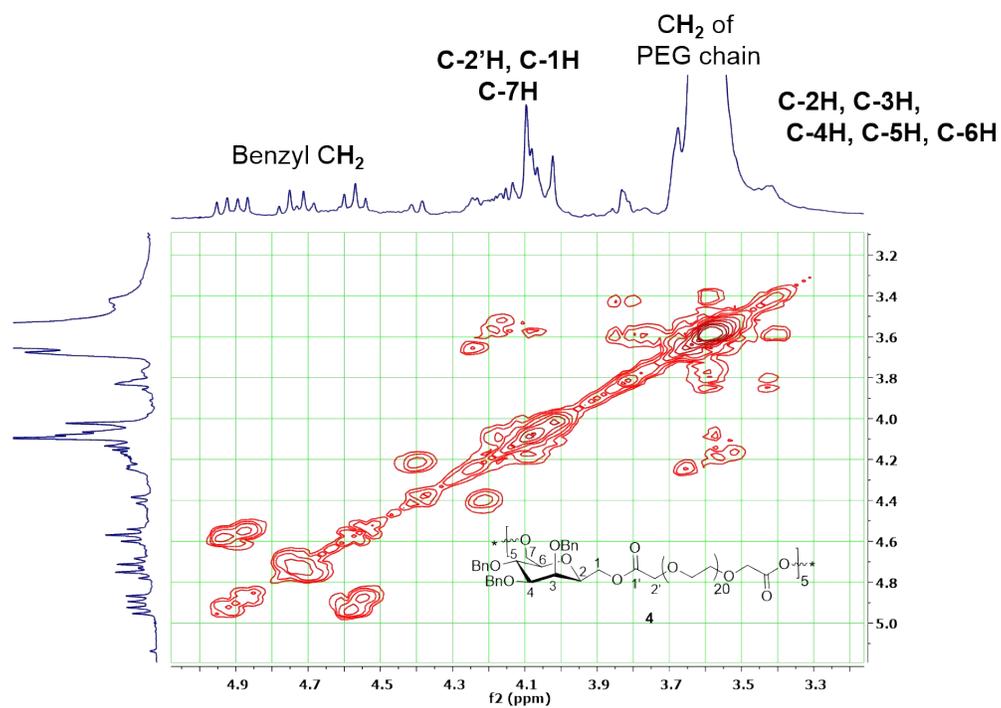


Figure 9. Partial ^1H - ^1H COSY spectrum of copolymer **4** (400 MHz, CDCl_3)

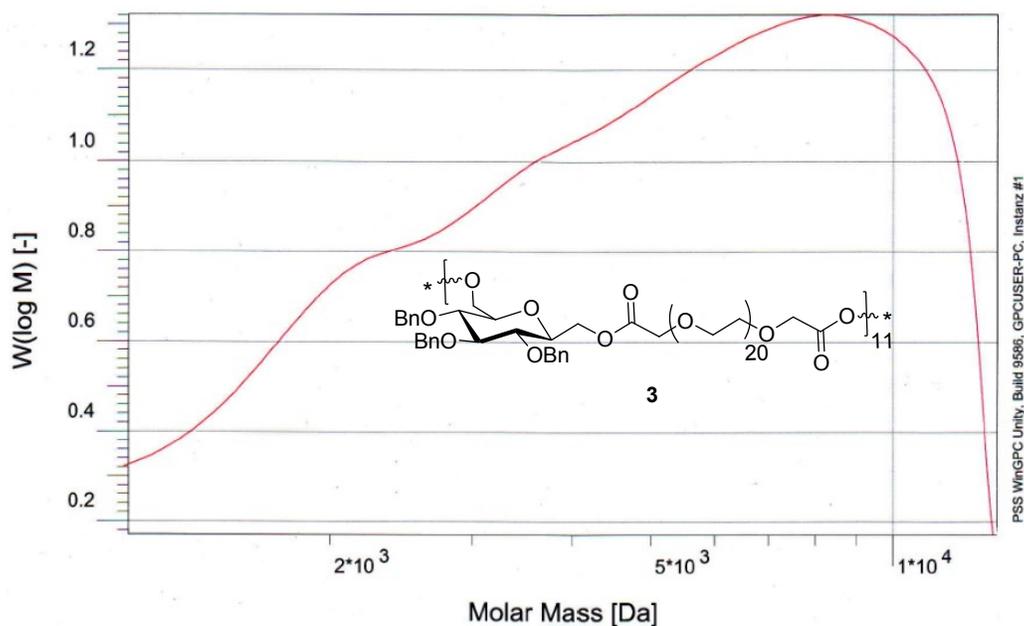


Figure 10. Gel permeation chromatogram (GPC) of copolymer **3**

$M_w = 5678$ g/mol, $M_n = 3824$ g/mol, $M_z = 7494$ g/mol, $D = 1.4$

Detector: RI, Eluent = THF, Flow rate = 1 mL/min, Standard = Polystyrol.

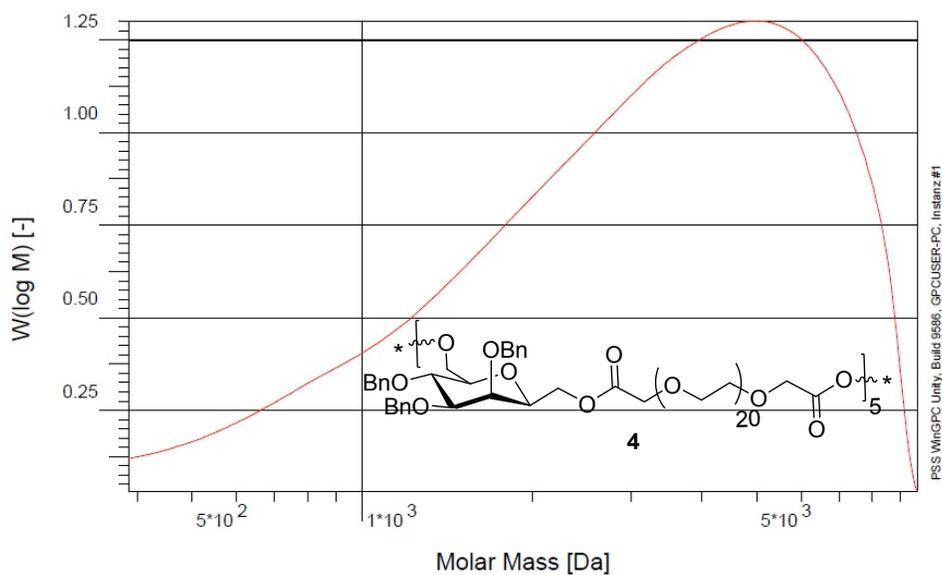


Figure 11. Gel permeation chromatogram (GPC) of copolymer **4**

$M_w = 3670$ g/mol, $M_n = 2180$ g/mol, $M_z = 4984$ g/mol, $D = 1.6$

Detector: RI, Eluent = THF, Flow rate = 1 mL/min, Standard = Polystyrol.

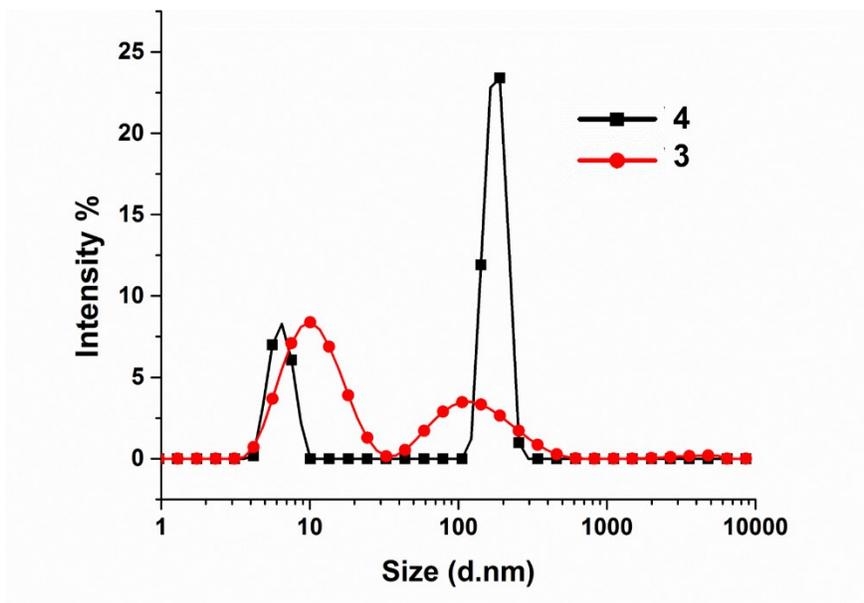


Figure 12. Intensity based particle size determination of copolymer **3** and **4** by dynamic light scattering (DLS) method

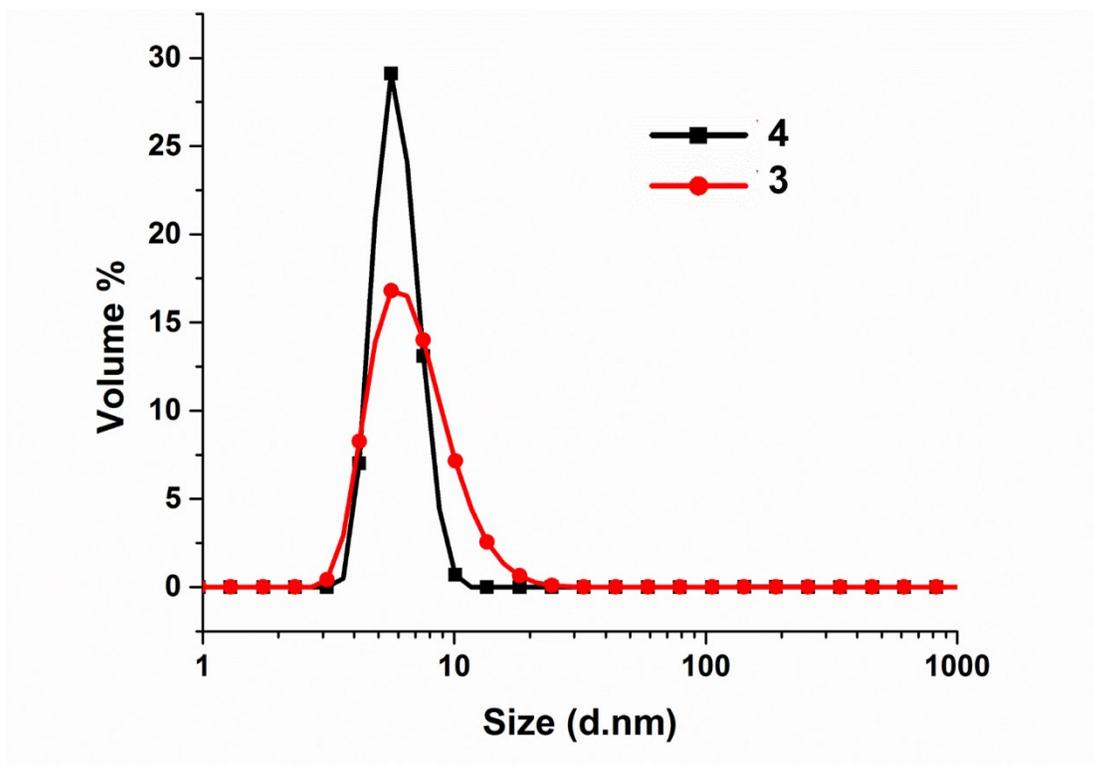


Figure 13. Volume based particle size determination of copolymer **3** and **4** by dynamic light scattering (DLS) method

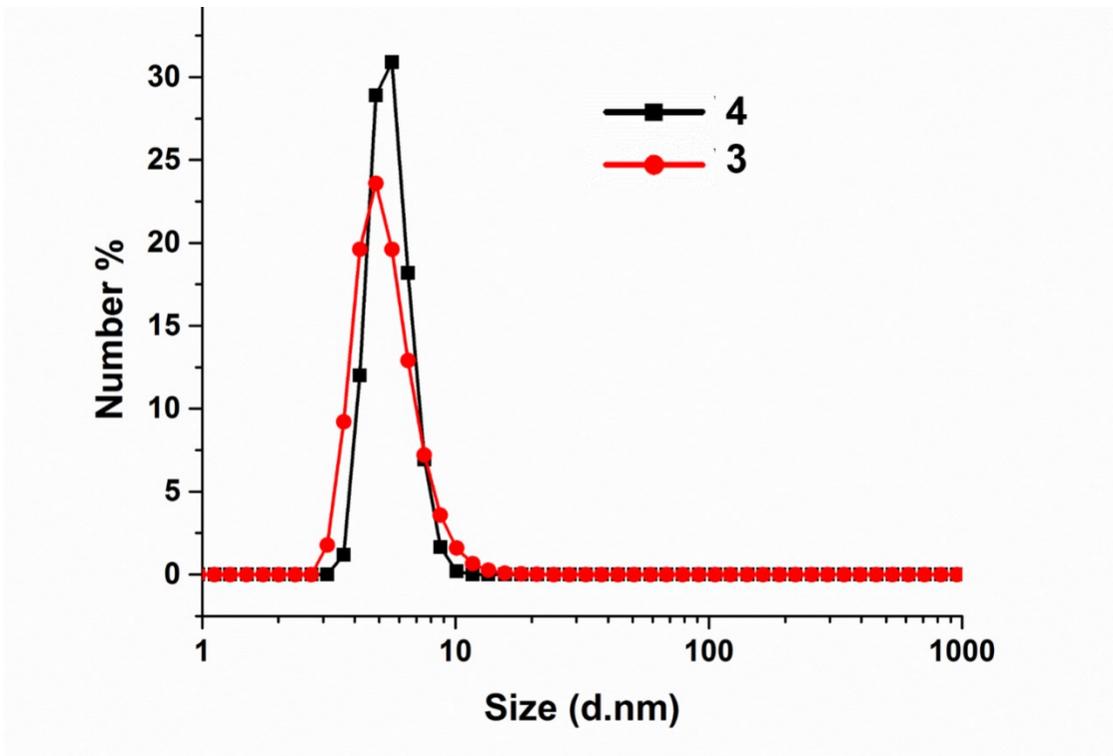


Figure 14. Number based particle size determination of copolymer **3** and **4** by dynamic light scattering (DLS) method