

Supplementary Materials: Development and Evaluation of Matrices Composed of β -cyclodextrin and Biodegradable Polyesters in the Controlled Delivery of Pindolol

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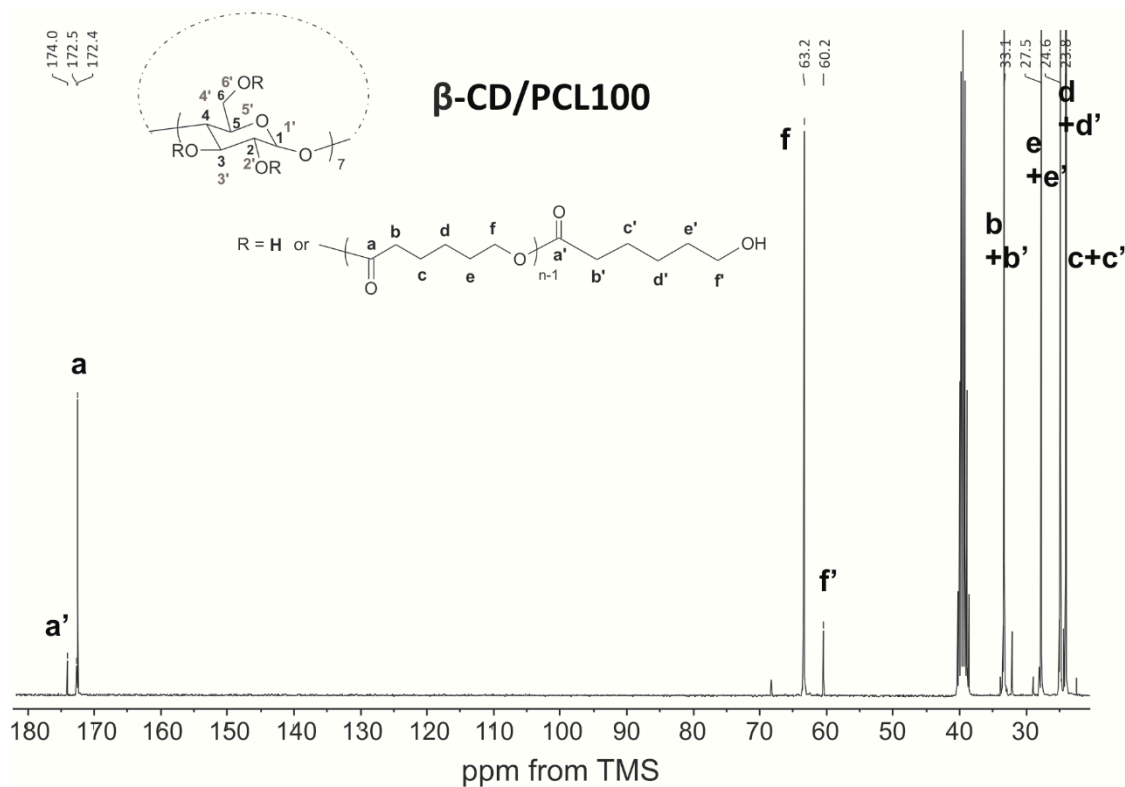


Figure S1. ^{13}C NMR spectrum of the β -CD/PCL100 polymer in DMSO- d_6 .

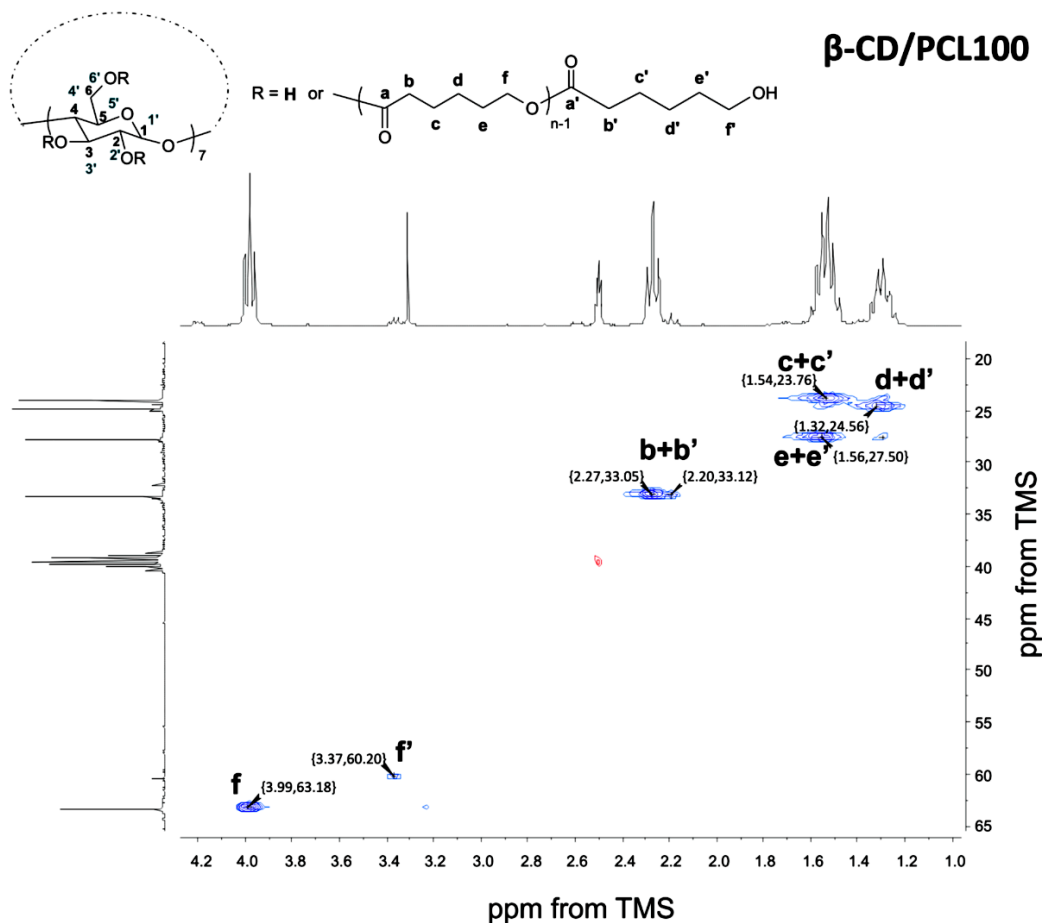


Figure S2. HSQC spectrum of the β -CD/PCL100 polymer in DMSO- d_6 .

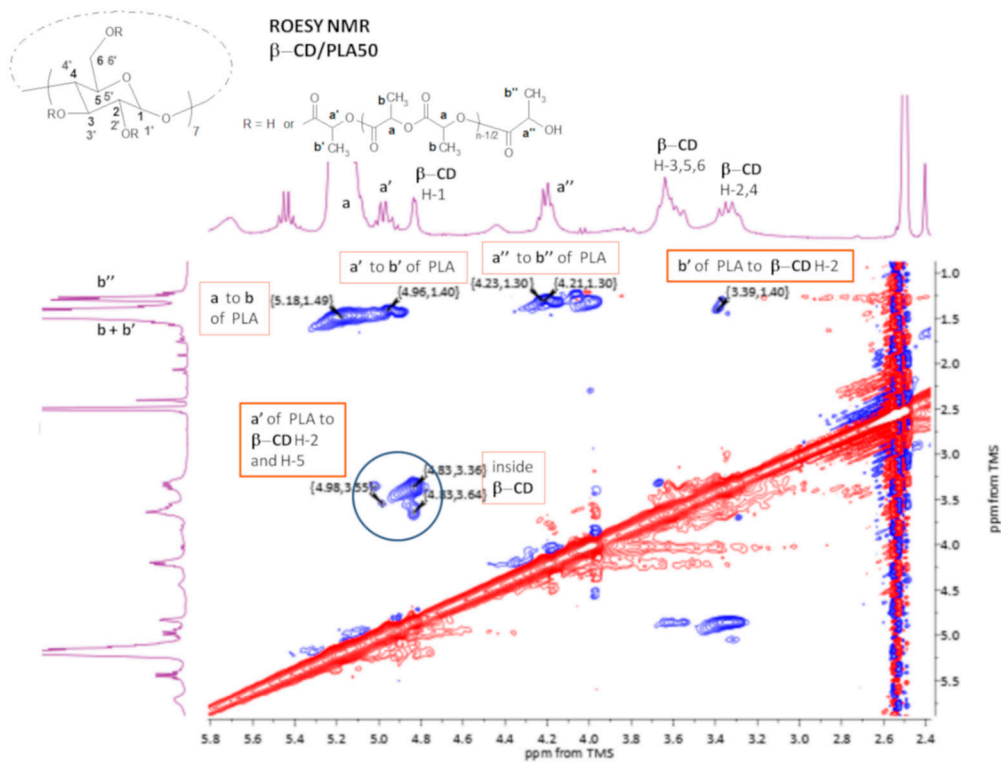


Figure S3. ROESY spectrum of the β -CD/PLA50 polymer in DMSO- d_6 , marked ROE cross-peaks between H-2 protons of β -CD and the first mer unit of PLA. Circled area is shown enlarged on the next figure.

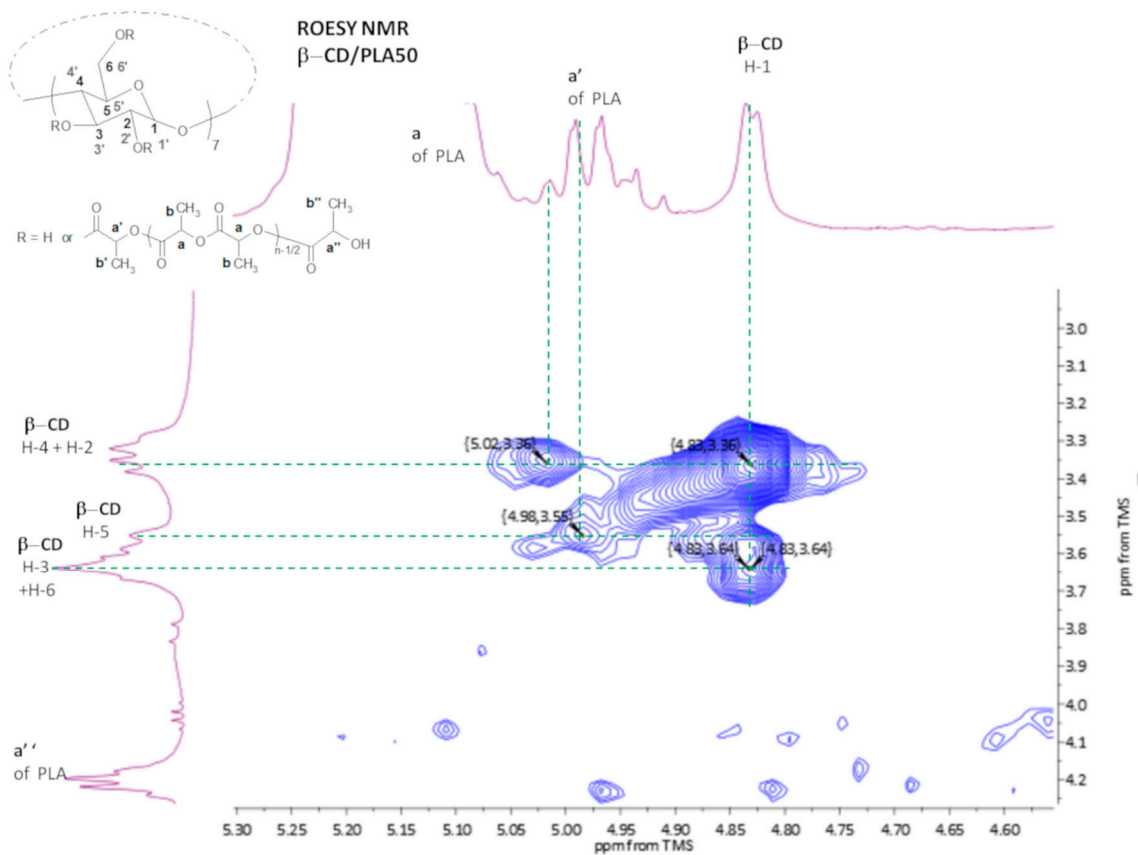
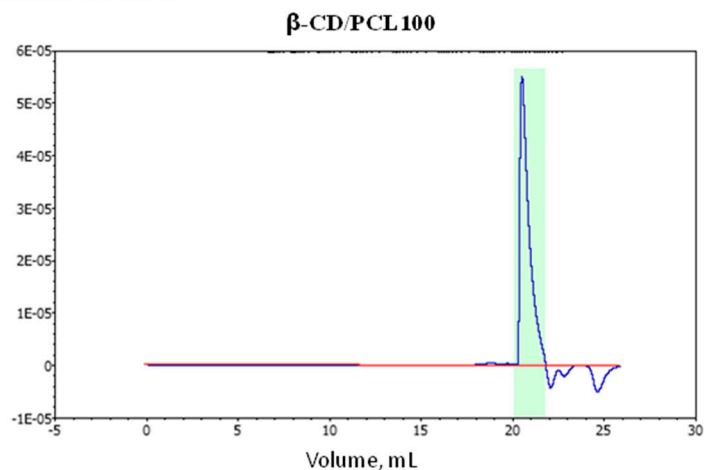


Figure S4. Selected region of ROESY spectrum of the β-CD/PLA50 polymer in DMSO-d₆, the plot shows ROE cross-peaks between protons inside the glucose unit of β-CD, and between H-2 and H-5 protons of β-CD and the first mer unit of PLA (signal 'a').

SEC Analyser by Stanislaw Sosnowski

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Comments:

Left (mL): 20,12
 Right (mL): 21,75
 Mn: 18,652
 Mw: 20,750
 Mw/Mn: 1,263
 Fraction: 1,0000

Figure S5. The SEC elution curve of the β-CD/PCL100 polymer sample.

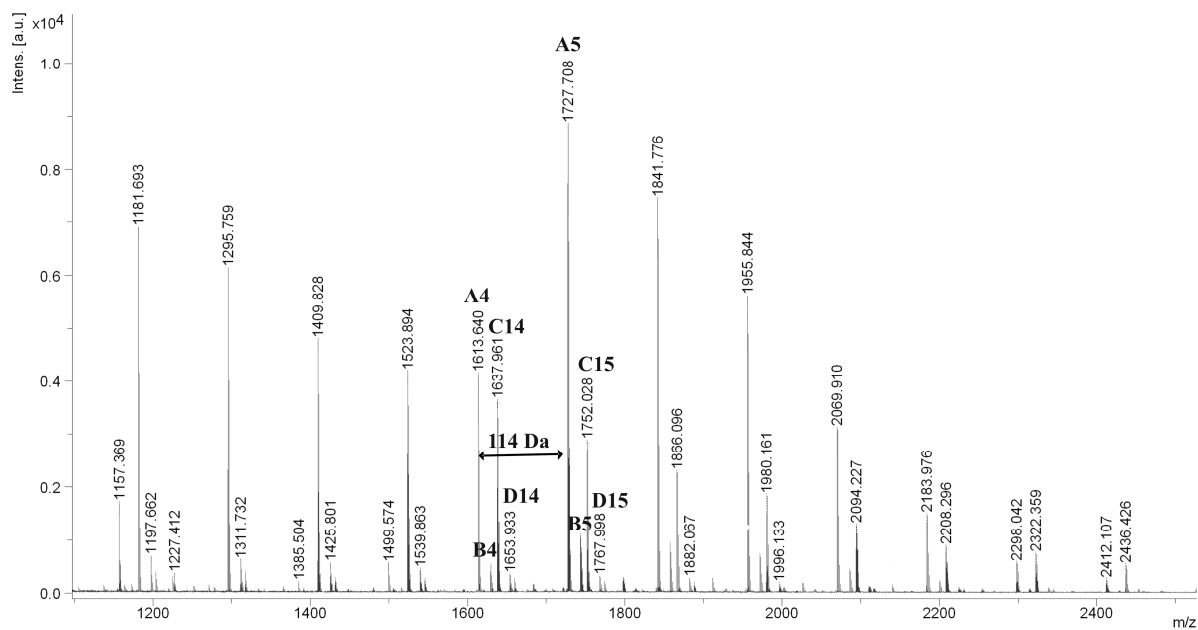


Figure S6. MALDI-TOF MS spectrum of the β -CD/PCL100 polymer obtained at 140 °C.

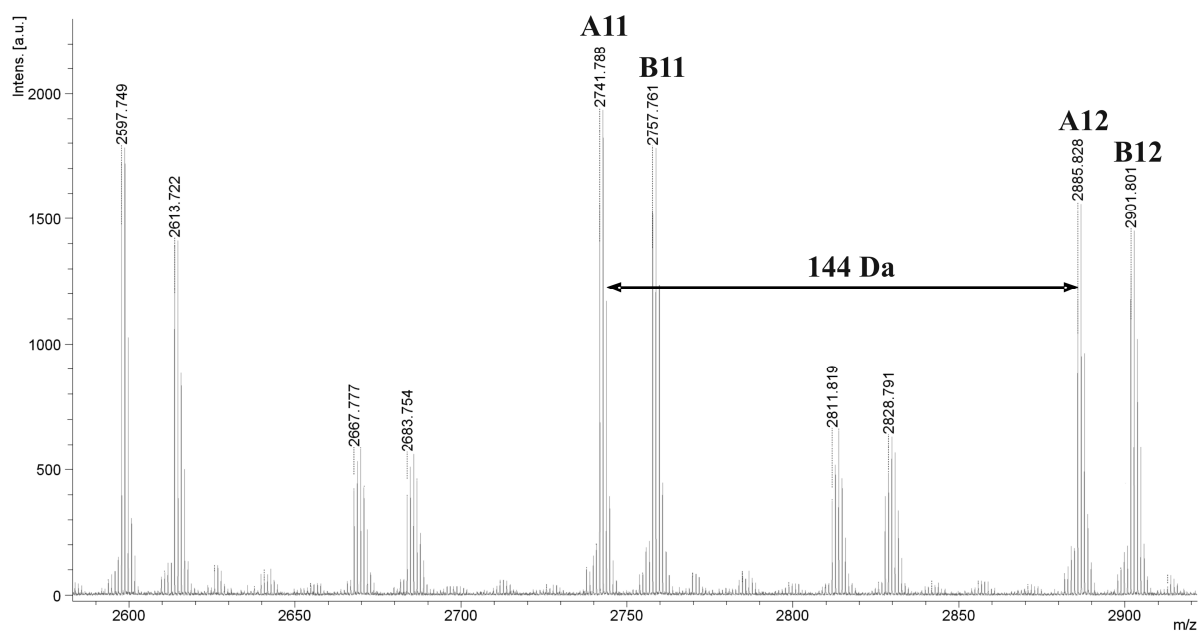


Figure S7. MALDI-TOF MS spectrum of the β -CD/PLA100 polymer obtained at 140 °C.

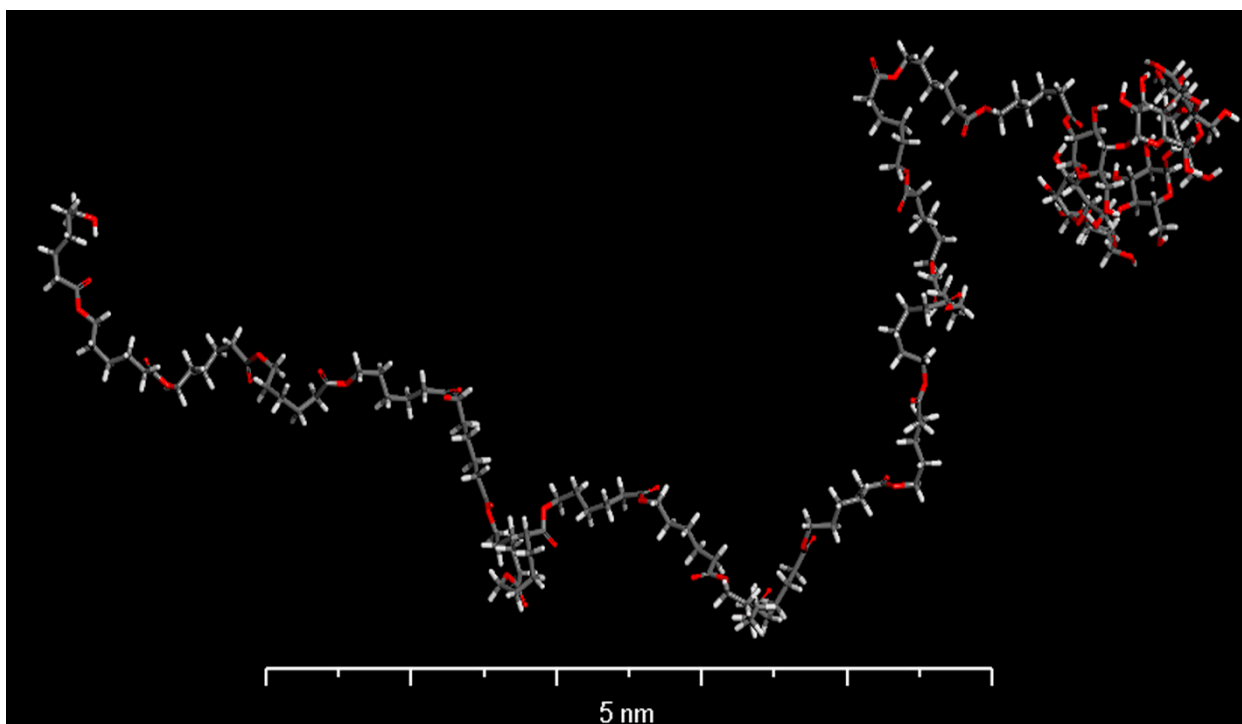


Figure S8. Monosubstituted (at the OH-2 position) β -CD/PCL, DP = 20, DS = 1.

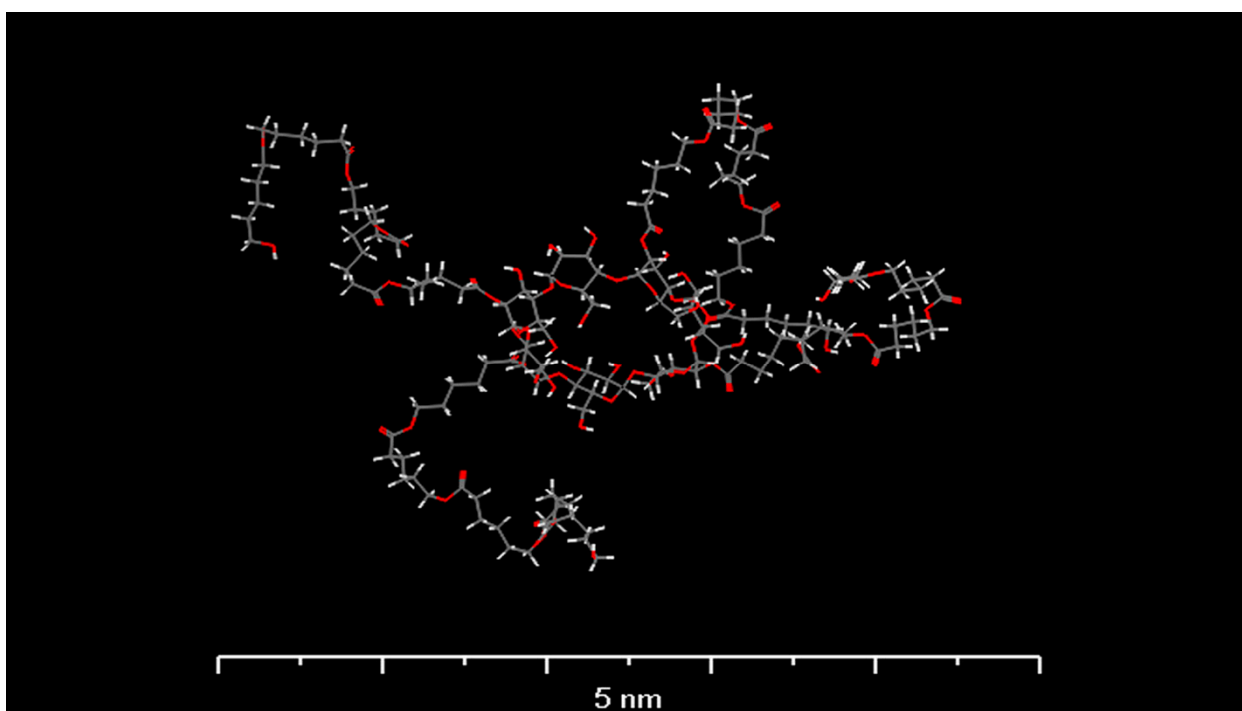


Figure S9. Monosubstituted (at the OH-2 position) β -CD/PCL, DP = 5, DS = 4.

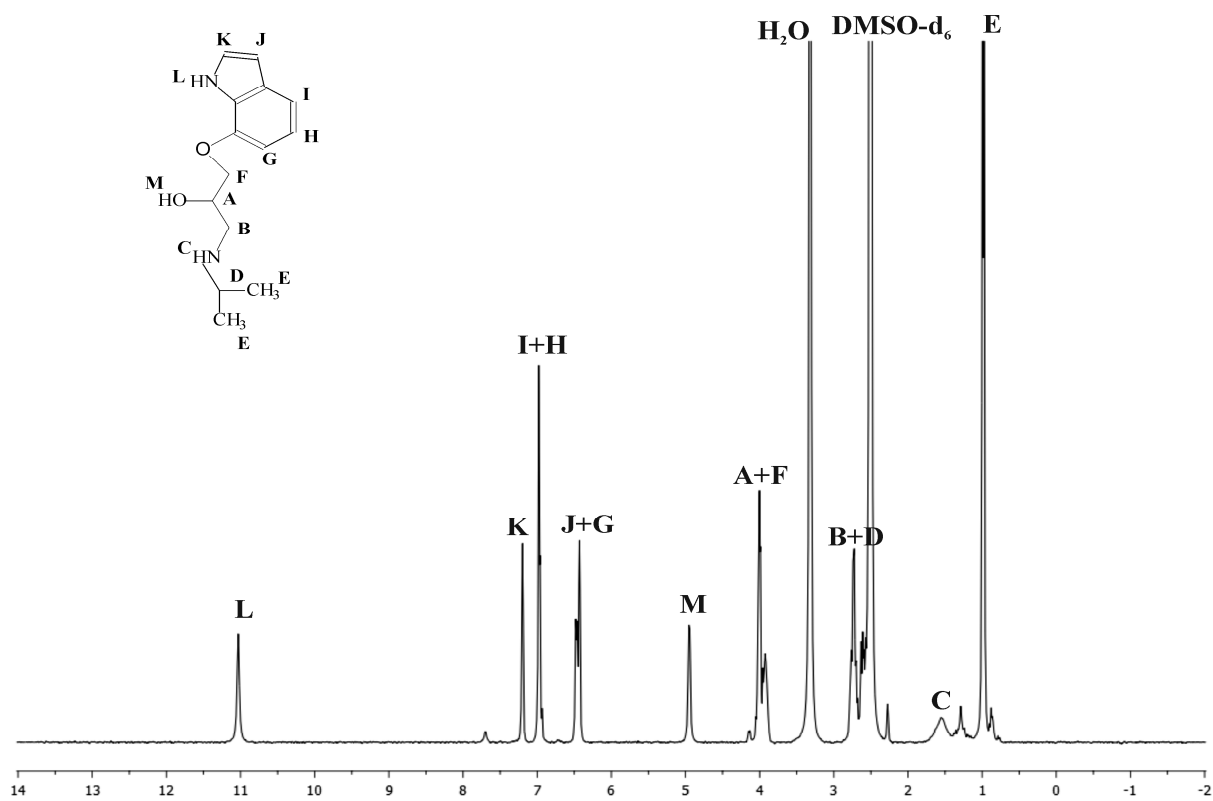


Figure S10. ¹H NMR spectrum of pindolol in DMSO-d₆.

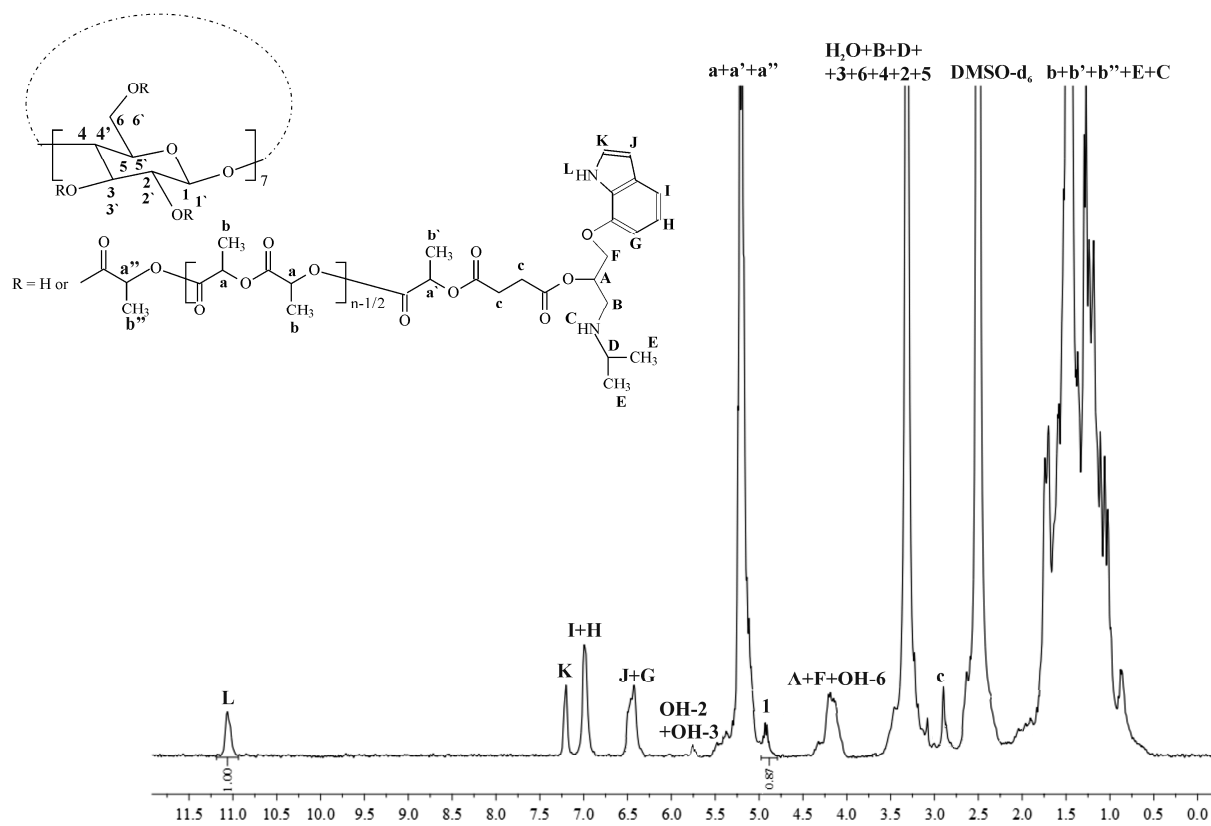


Figure S11. ¹H NMR spectrum of the β-CD/PLA100/PDL conjugate in DMSO-d₆.