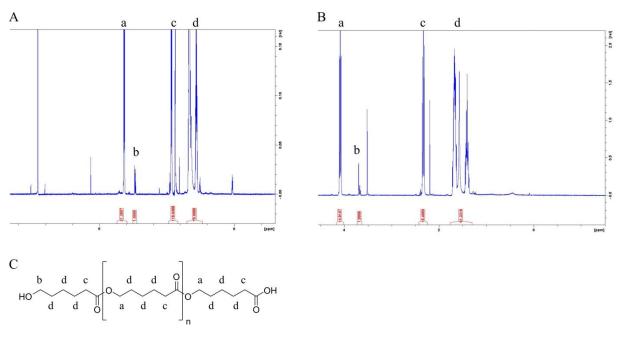
Supplementary information to "Production of polycaprolactone nanoparticles for targeted drug deliverywith hydrodynamic diameters below 100 nm"

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## **Preparation of Polymers**

Figure S1: <sup>1</sup>H-NMR spectra of the  $PCL_{1.8}$  (A) and  $PCL_{13.6}$  (B) with assignment of peaks to the structural formula of PCL (C).

**Preparation of PCL-PTX-NP** 

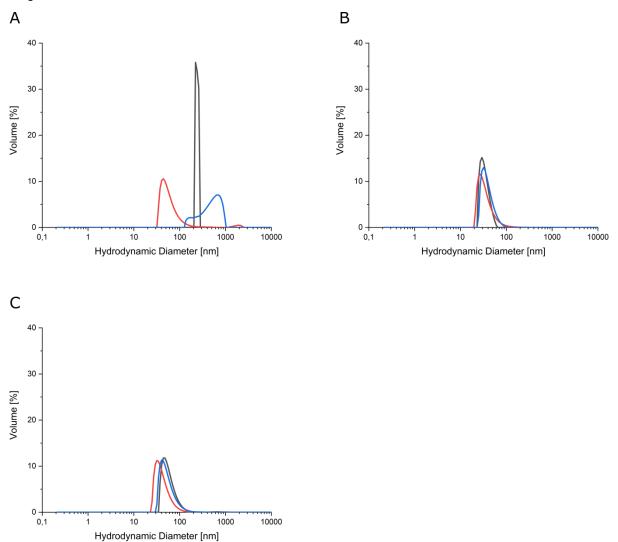


Figure S2: Size distribution of nanoparticles with encapsulated PTX generated from different PCL-length polymers. A: PTX-PCL<sub>1.8</sub>-NP, B: PTX-PCL<sub>5.4</sub>-NP, C: PTX-PCL<sub>13.6</sub>-NP.

## Functionalization of PCL<sub>5.4</sub> with the aptamer S15

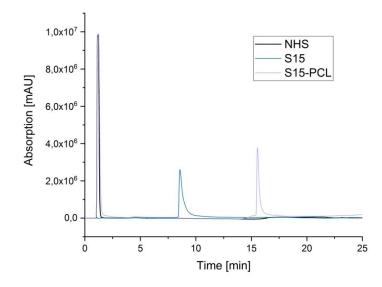


Figure S3: Chromatogram of the RP-HPLC of S15, the S15-PCL<sub>5.4</sub> and NHS at 260 nm. The S15-PCL<sub>5.4</sub> shows a shift in elution time from 8 min to 16 min, compared to the uncoupled S15. NHS, which also absorbs at 260 nm, elutes after 1 minute.