

SUPPORTING INFORMATION

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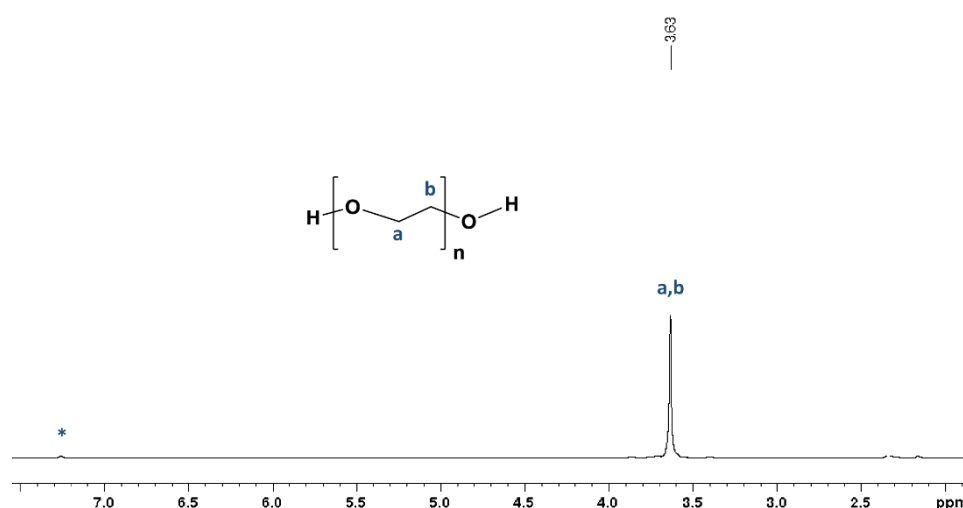


Figure S1. ^1H NMR spectrum (300 MHz, CDCl_3 , 298 K) of PEG diol.

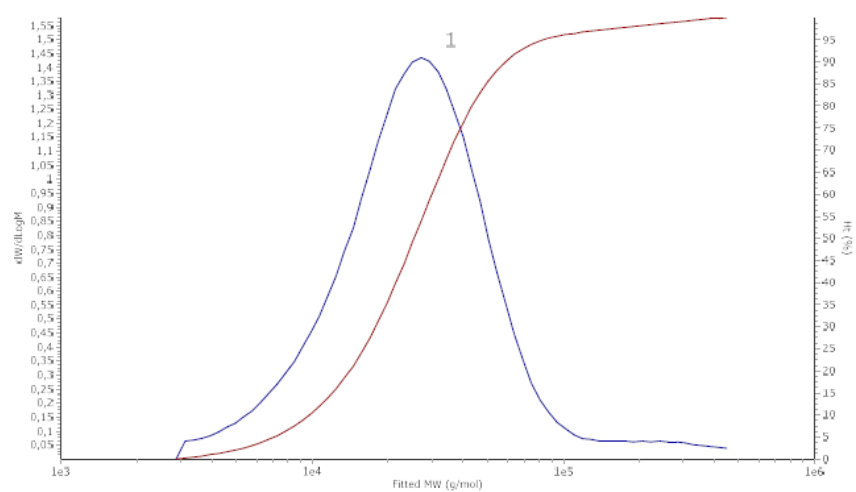


Figure S2. GPC curve of triblock PCL-PEG-PCL copolymer.

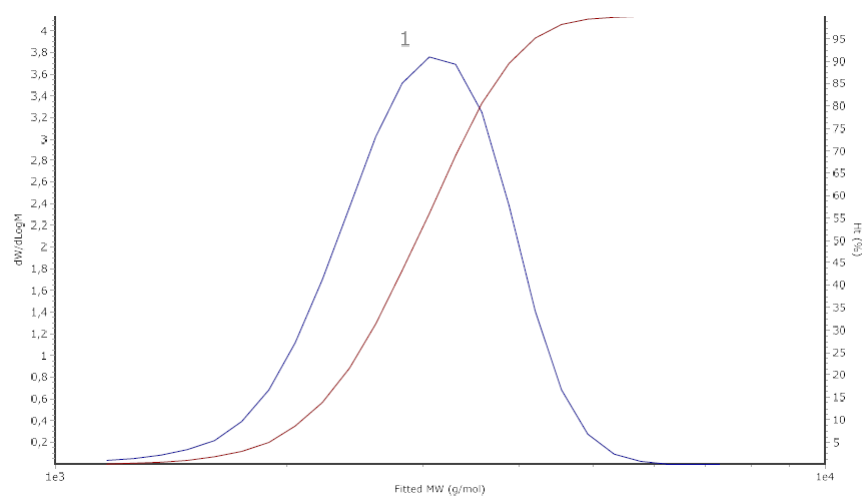


Figure S3. GPC curve of PEG diol. GPC analysis (THF): M_n : 2870 g/mol; $\bar{D} = 1.1$.

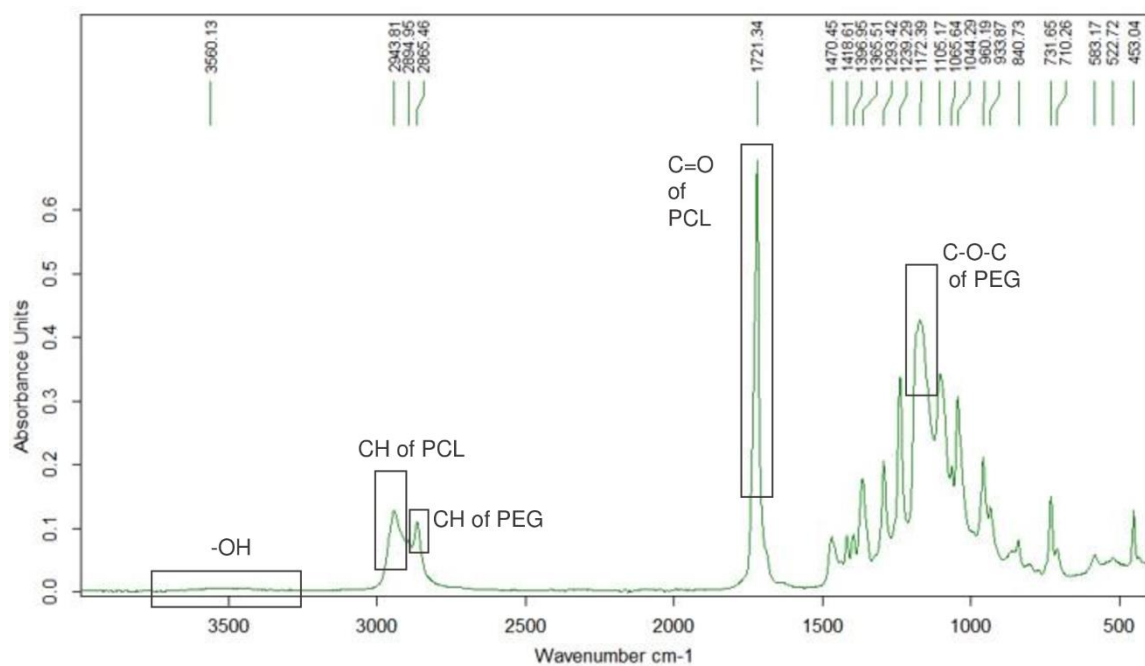


Figure S4. FT-IR spectrum of triblock PCL-PEG-PCL copolymer.

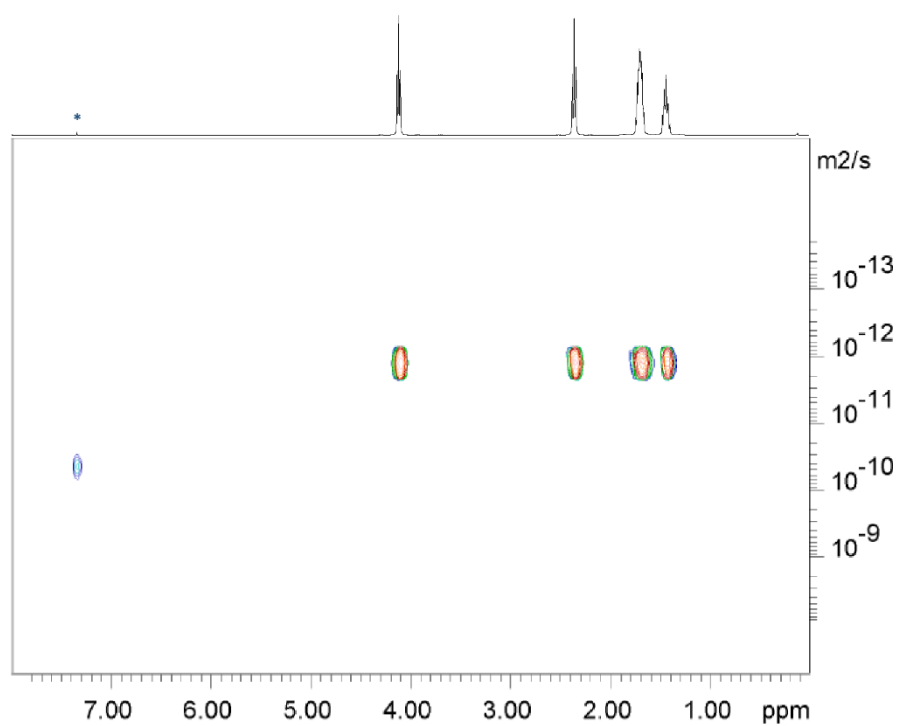


Figure S5. DOSY NMR spectrum (400 MHz, CDCl_3 , 298 K) of PCL.

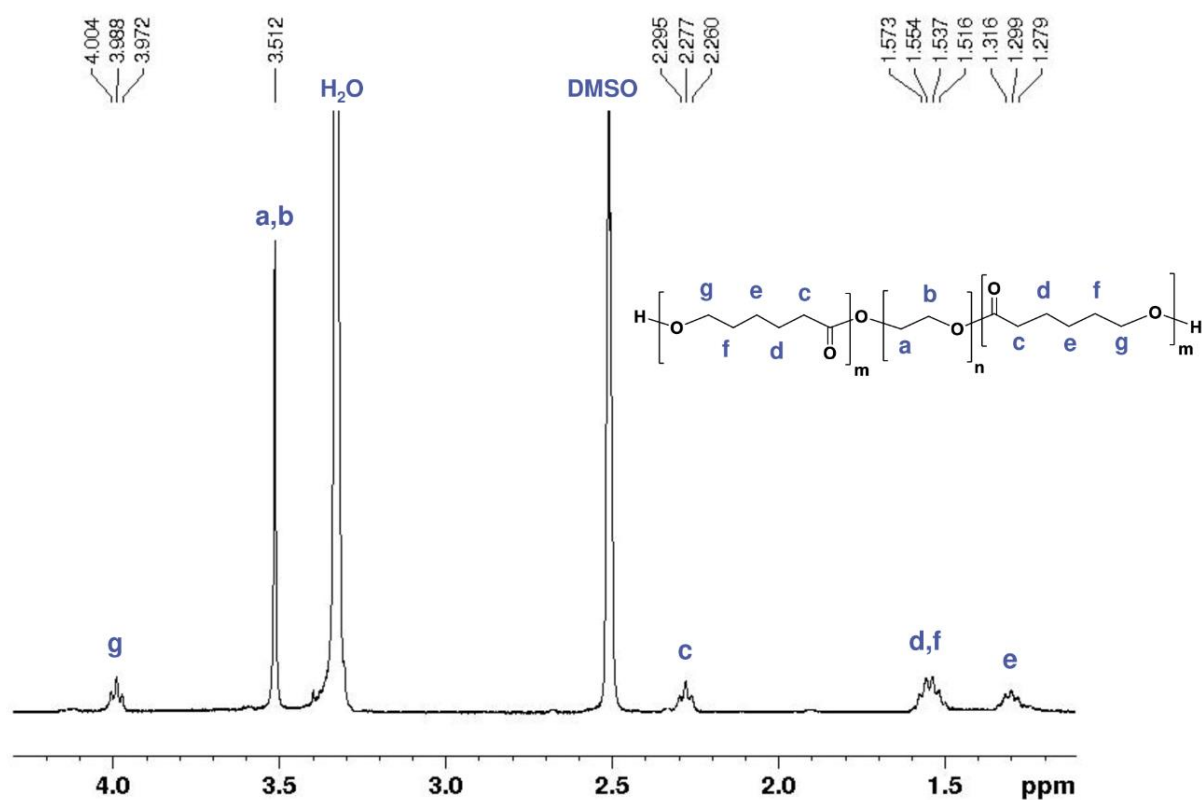


Figure S6. ^1H NMR spectrum (400 MHz, DMSO, 298 K) of triblock PCL-PEG-PCL copolymer.

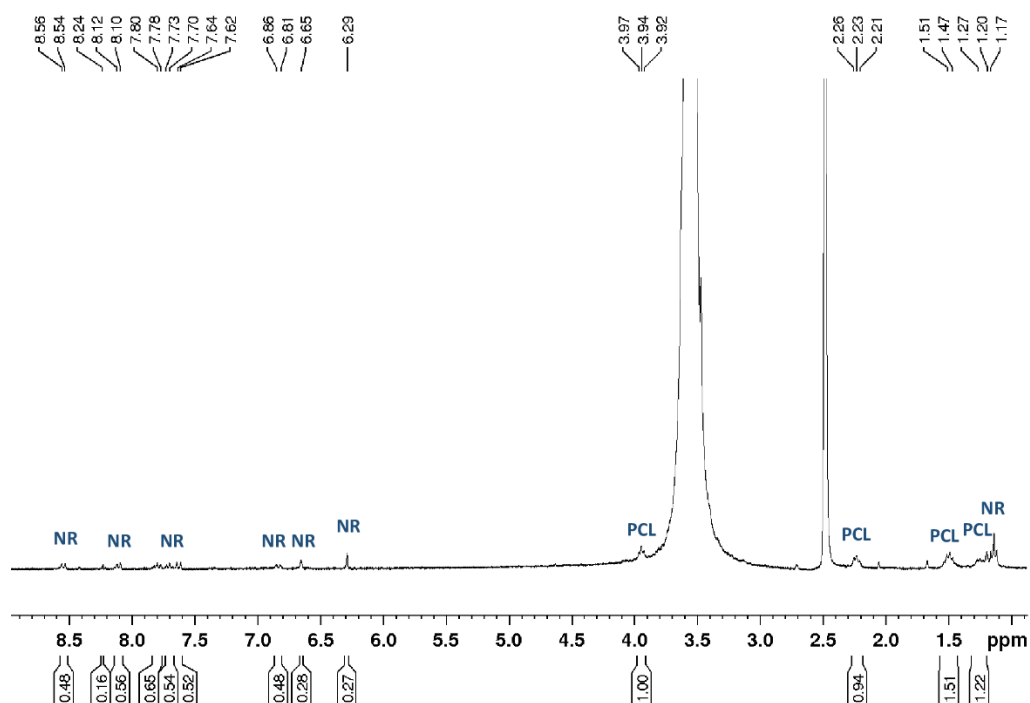


Figure S7. ^1H NMR spectrum (300 MHz, DMSO, 298 K) of PCL-PEG-PCL micelles loaded with Nile Red.

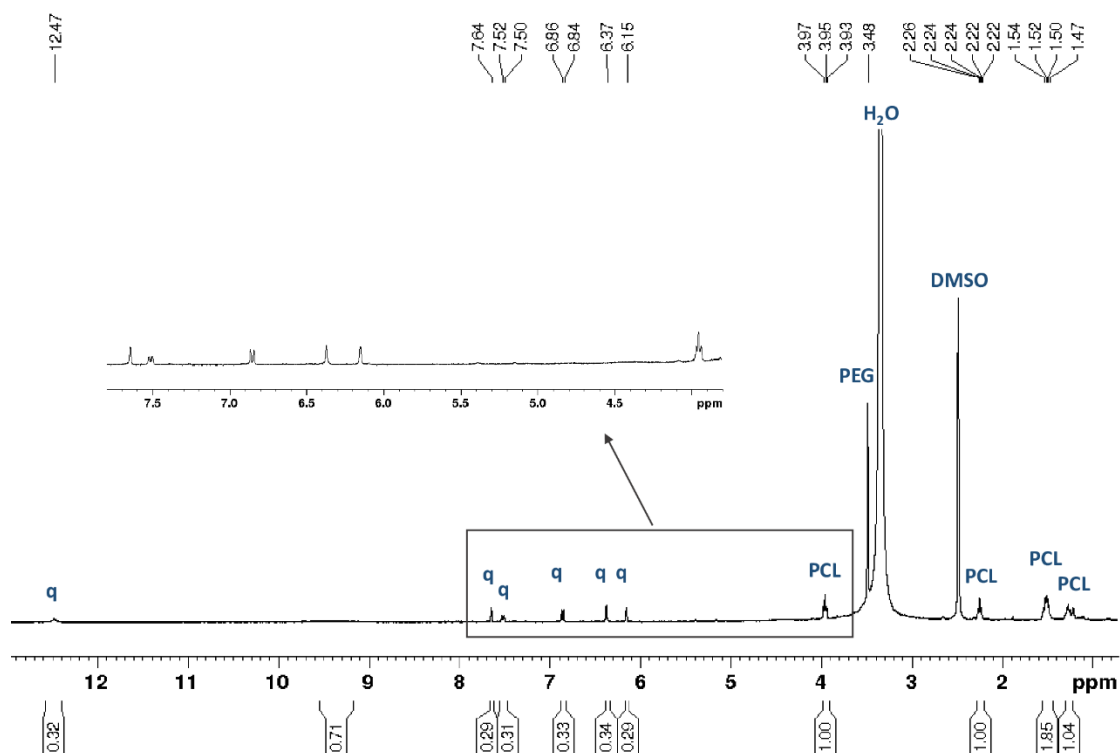


Figure S8. ^1H NMR spectrum (400 MHz, DMSO, 298 K) of PCL-PEG-PCL micelles loaded with quercetin.

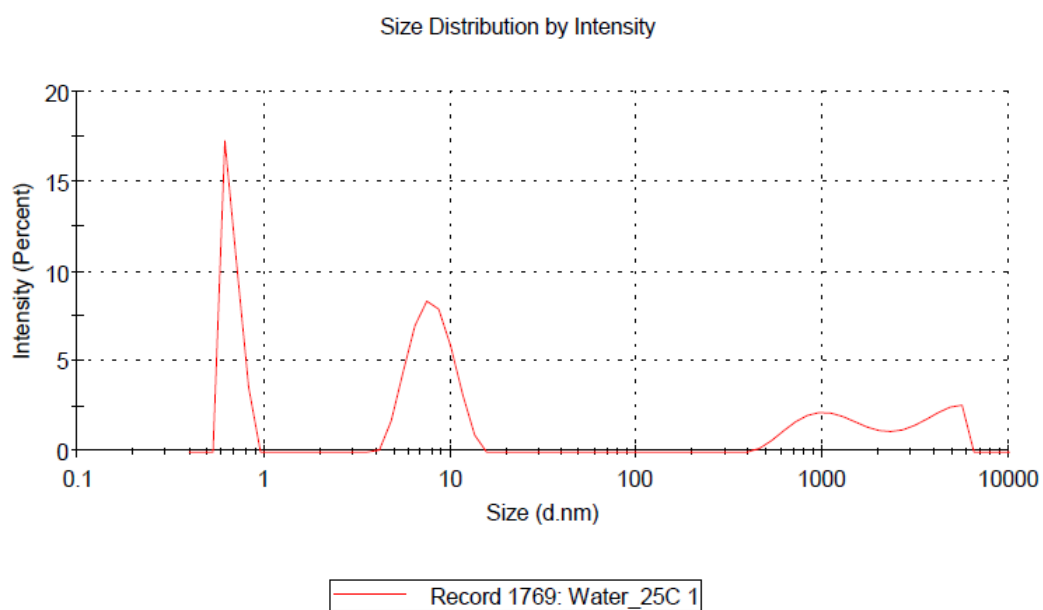


Figure S9. DLS measurement of aqueous solution in the absence of quercetin loaded nanoparticles.

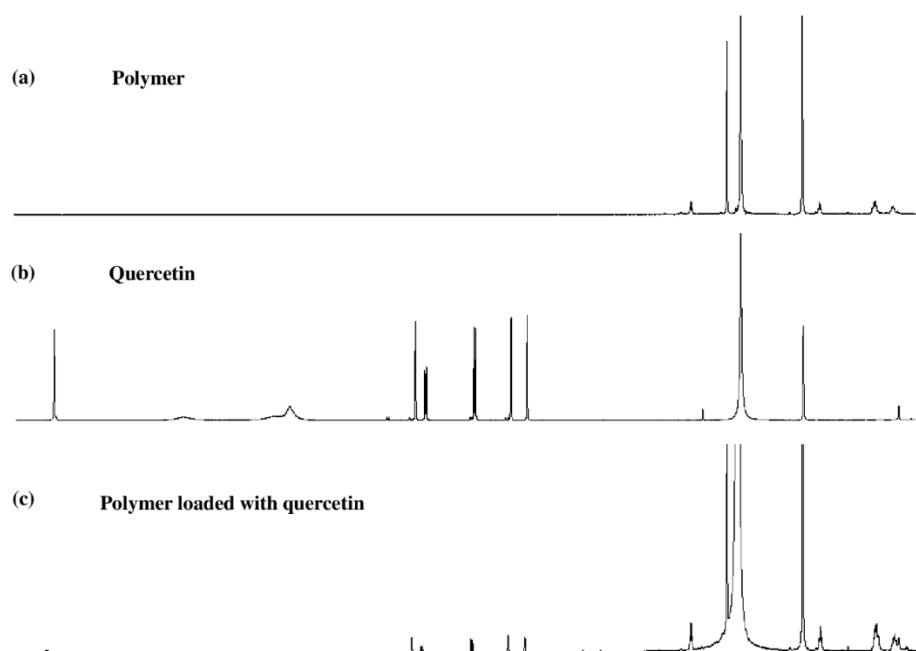


Figure S10. ^1H NMR spectrum (400 MHz, DMSO, 298 K) of (a) unloaded polymer, (b) quercetin and (c) polymer loaded with quercetin.

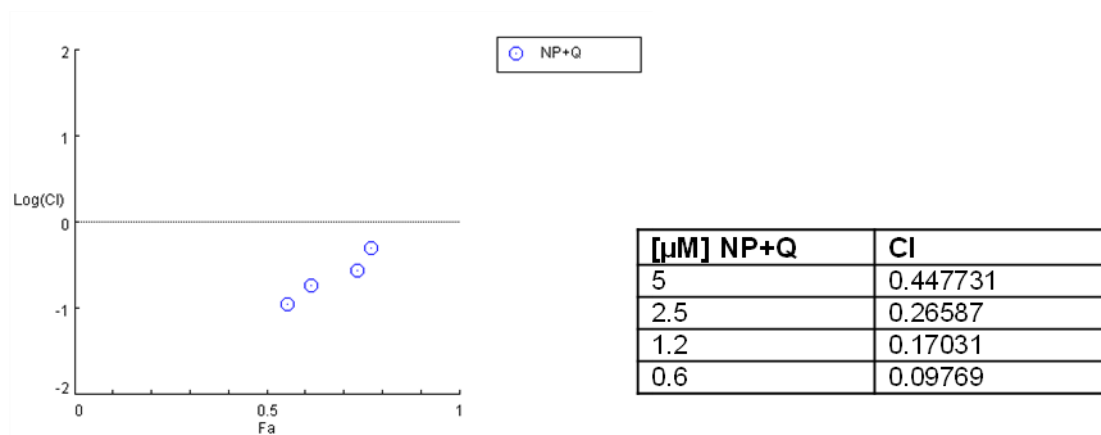


Figure S11. Isobologram analysis of the effects of NP+Q combination at different concentrations.

Combination index between NPs and quercetin by the dedicated software Compusyn as described in Material and methods.