Electronic Supporting Information (ESI)

Controlling assembly of helical polypeptides via PEGylation strategies

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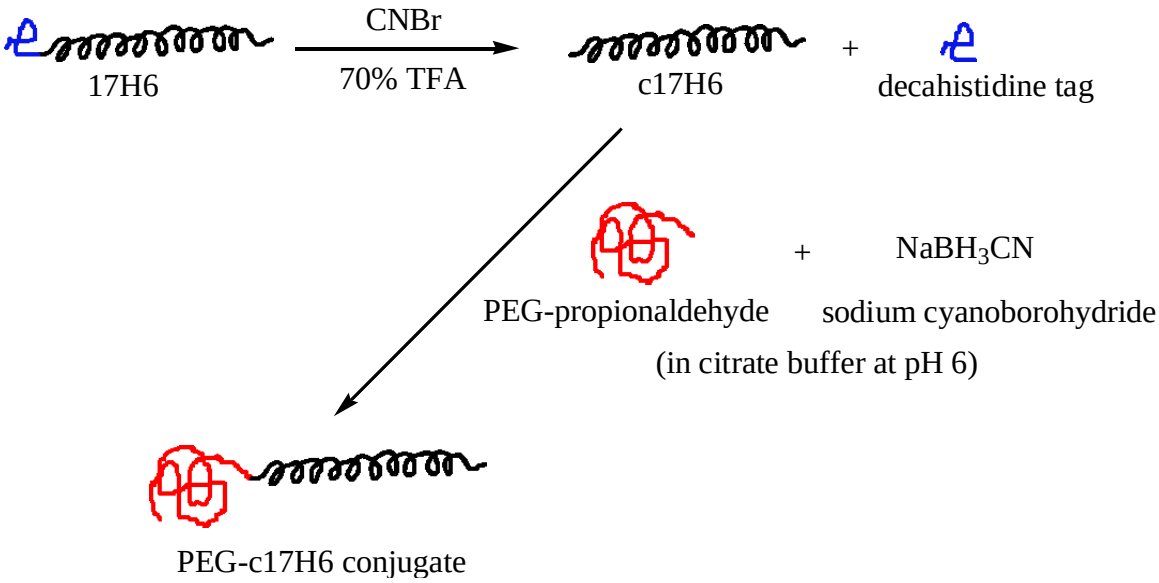


Figure S1. Simplified synthetic route for the conjugates.

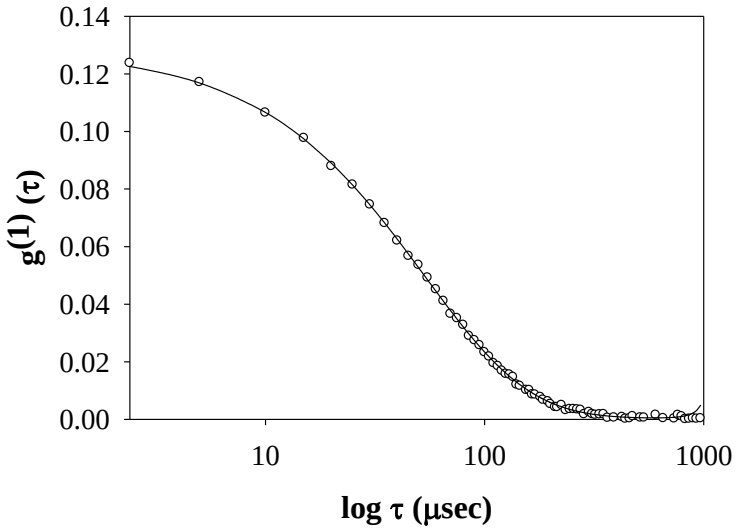


Figure S2. Cumulant fit of 100 μM PEG5K-c17H6 in pH 2.3 buffer at 20 ^{o}C; experimental data points (open circles), cumulant fit (line).

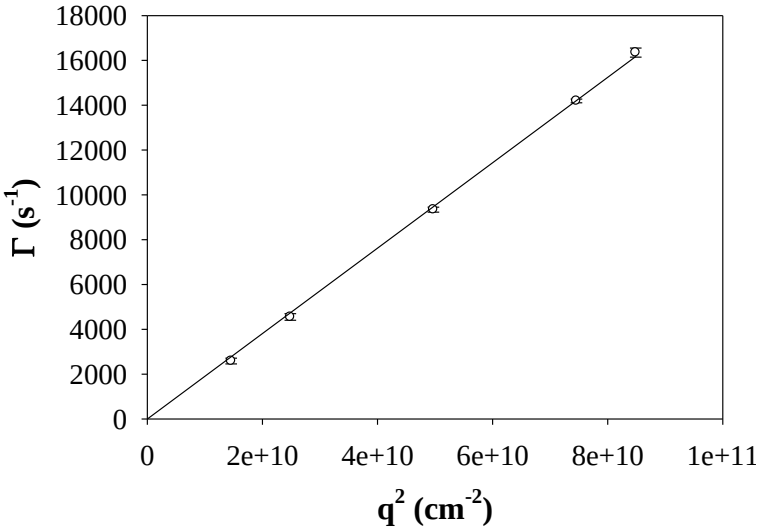


Figure S3. Γ vs. q^2 plot; experimental data points (open circles), linear fit (line), for 100 μM PEG5K-c17H6 in pH 2.3 buffer at 20 ^{o}C

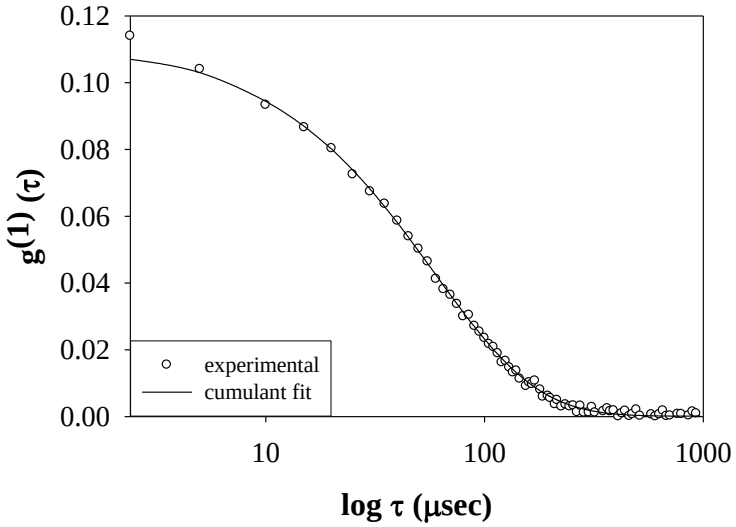


Figure S4. Cumulant fit of 100 μM PEG10K-c17H6 in pH 2.3 buffer at 20 ^{o}C; experimental data points (open circles), cumulant fit (line).

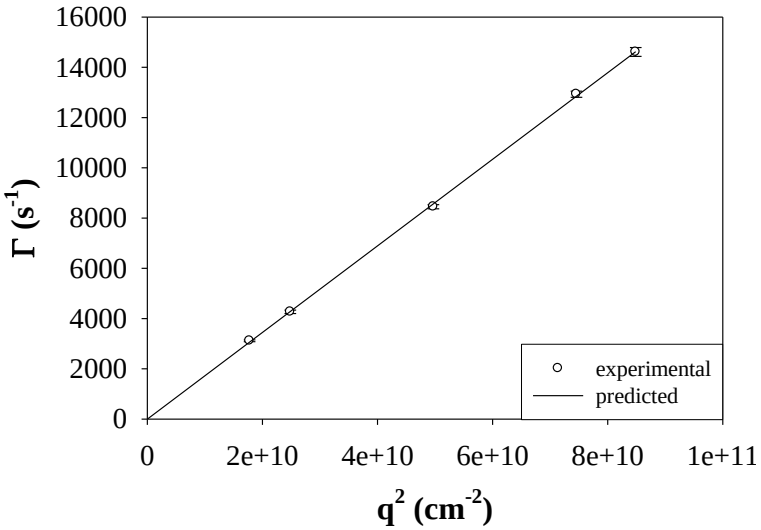
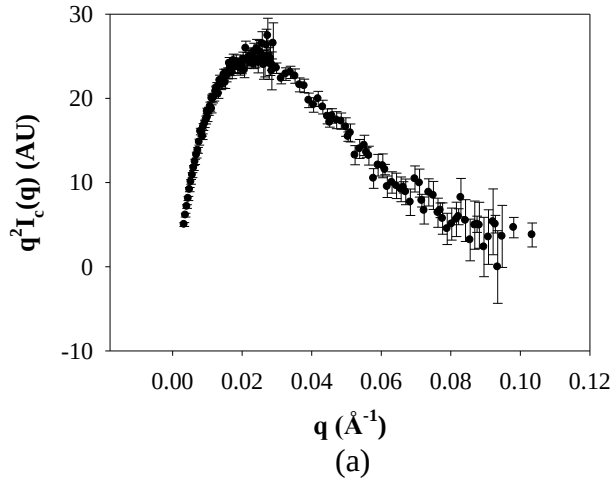
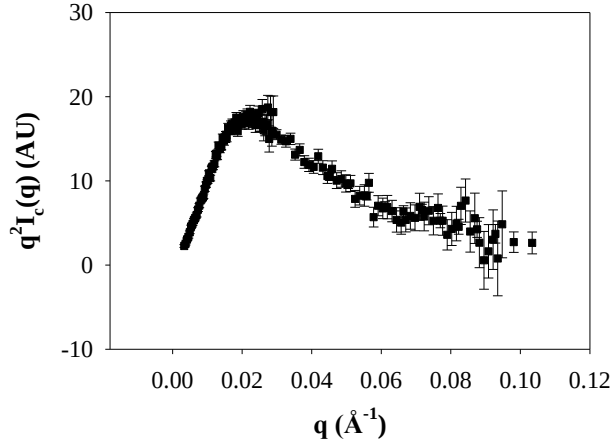


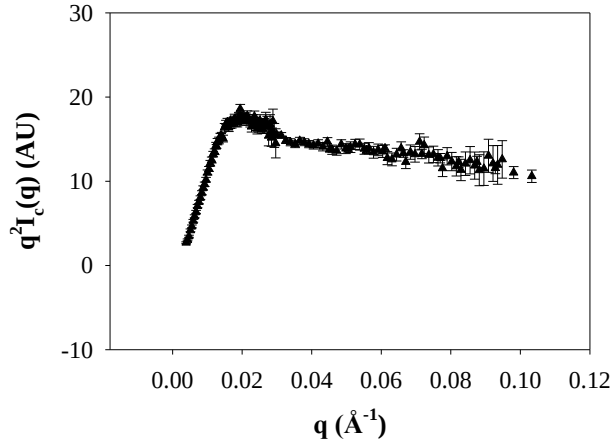
Figure S5. Γ vs. q^2 plot; experimental data points (open circles), linear fit (line), for 100 μM PEG10K-c17H6 in pH 2.3 buffer at 20 ^{o}C



(a)

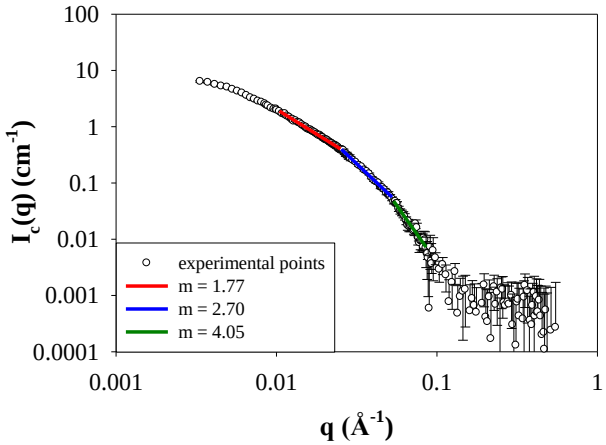


(b)

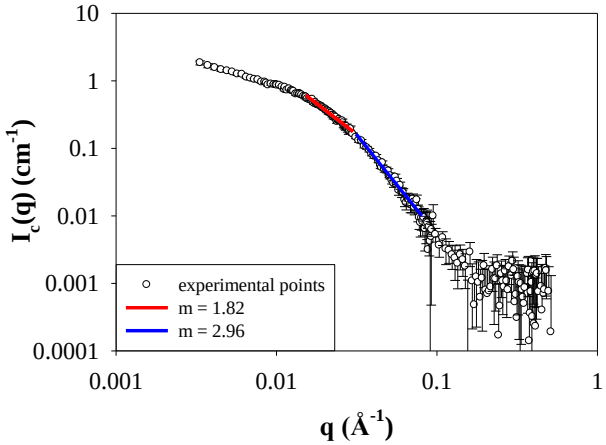


(c)

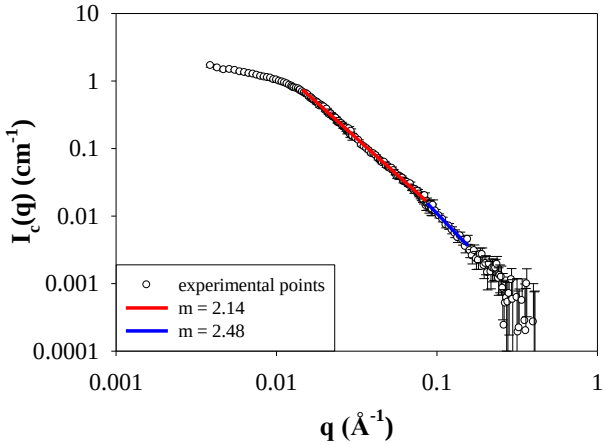
Figure S6. Kratky plots of (a) 17H6 at 39 ^{o}C, (b) PEG5K-c17H6 at 39 ^{o}C, and (c) PEG10K-c17H6 at 37 ^{o}C.



(a)



(b)



(c)

Figure S7. Representation of the exponents in power law for (a) 17H6, (b) PEG5K-c17H6, and (c) PEG10K-c17H6 at 20 ^{o}C.