Supplementary Materials

Photo-responsive Artificial Viral Capsid self-assembled from Azobenzene-containing β-Annulus Peptide

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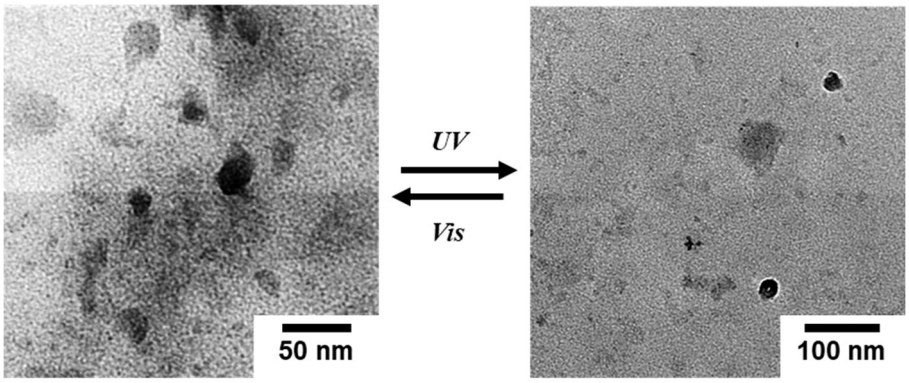

Figure S1. TEM images for aqueous solutions of β-annulus-azo peptide (100 μM) after UV and visible light irradiation for 15 min at 25°C. The samples were stained with 2% phosphotungstic acid aq.

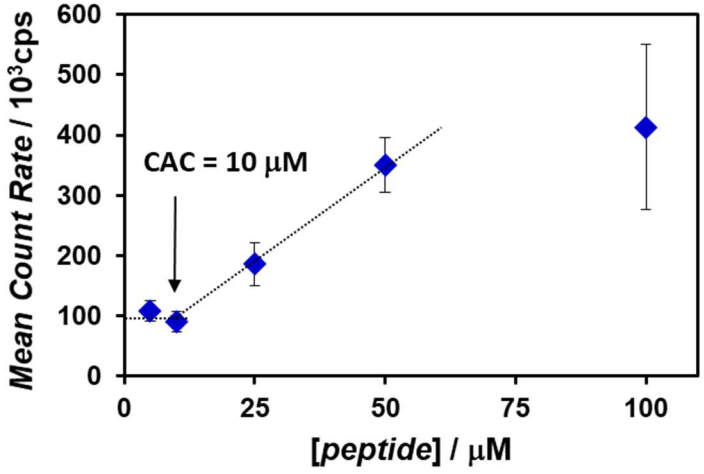

Figure S2. Effect of concentration of the β-annulus-azo peptide on scattering intensity determined by DLS at 25°C in water.

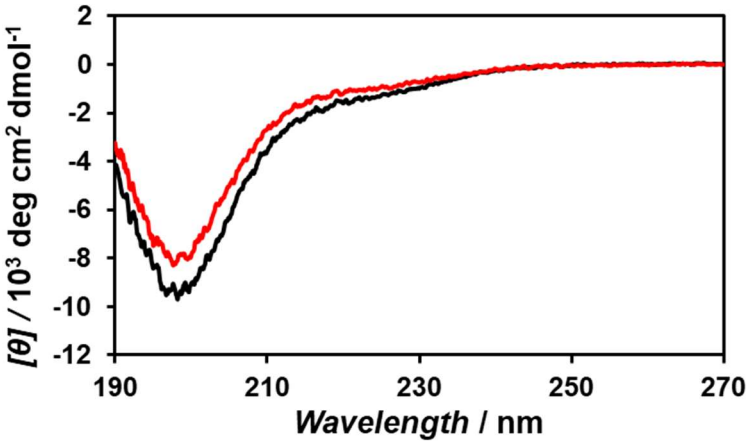

Figure S3. CD spectra of the aqueous solutions of the *β*-annulus-azo peptide before (red) and after (black) UV irradiation for 15 min at 25°C in water.

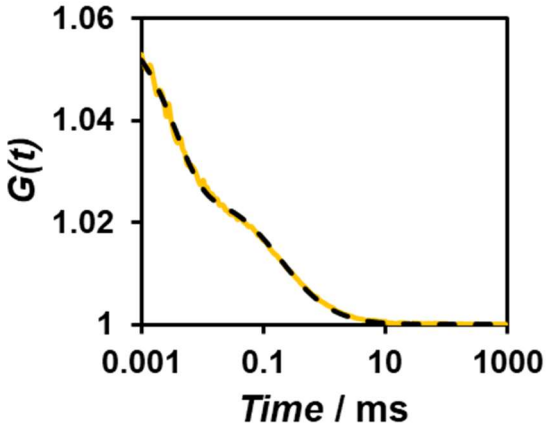

Figure S4. Measured (solid) and fitted (dot) autocorrelation curves for the 70-kDa FITC-labeled dextran (0.1 μM) mixed with an aqueous solution of the β-annulus-azo peptide (50 μM) at 25°C.

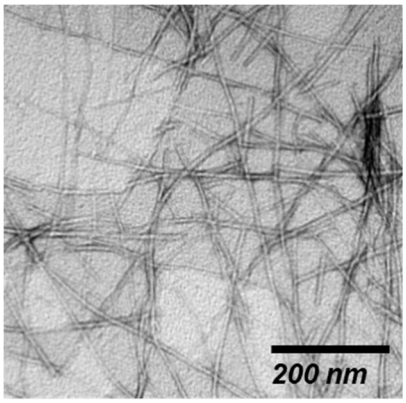

Figure S5. TEM images for aqueous solutions (100 μM) of *β*-annulus peptide in which Pro is replaced with Ala (INHVGGTGGAIMA**A**VAVTRQLVGS) at 25°C. The samples were stained with 2% phosphotungstic acid aq.