

Supporting Information for:

**In-situ nanofabrication of hybrid PEG-dendritic –
inorganic nanoparticles and preliminary evaluation of
their biocompatibility**

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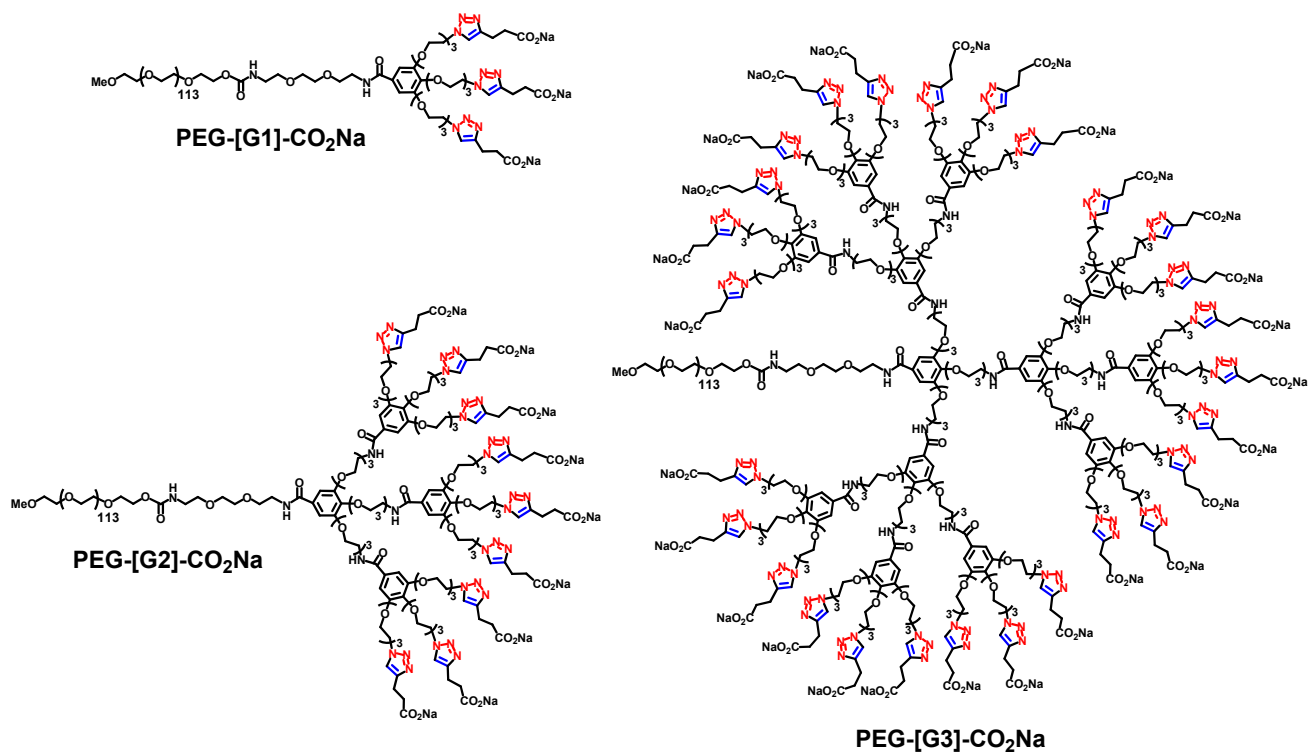


Figure S1. Structures of carboxylated PEG-GATG block copolymers.

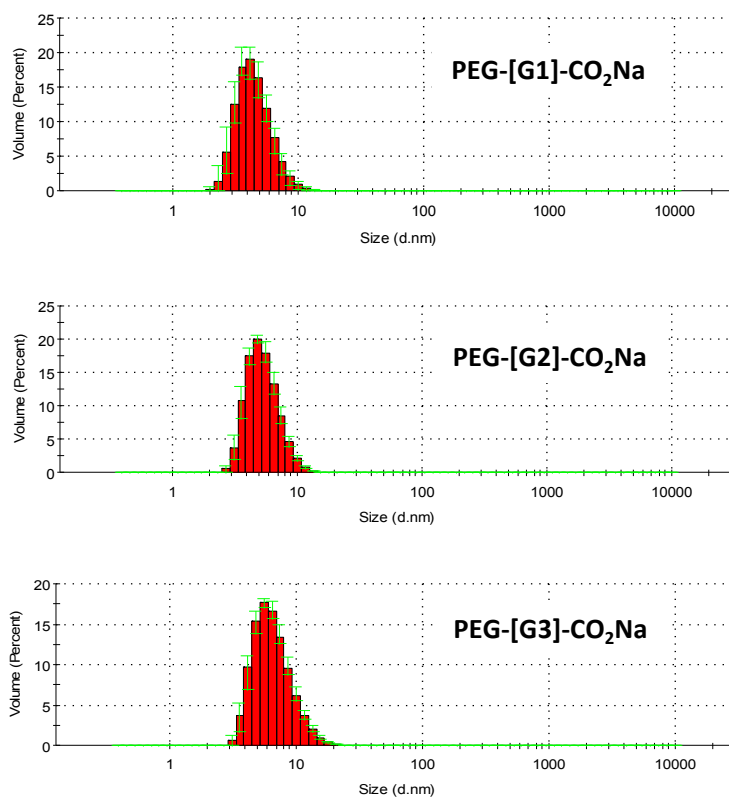


Figure S2. DLS histograms of PEG-[Gn]-CO₂Na (1.0 mg/mL in 10 mM phosphate buffer pH 8.2 supplemented with 150 mM LiCl). Mean size PEG-[G1]-CO₂Na (4.6 nm), PEG-[G2]-CO₂Na (5.4 nm), PEG-[G3]-CO₂Na (6.8 nm).

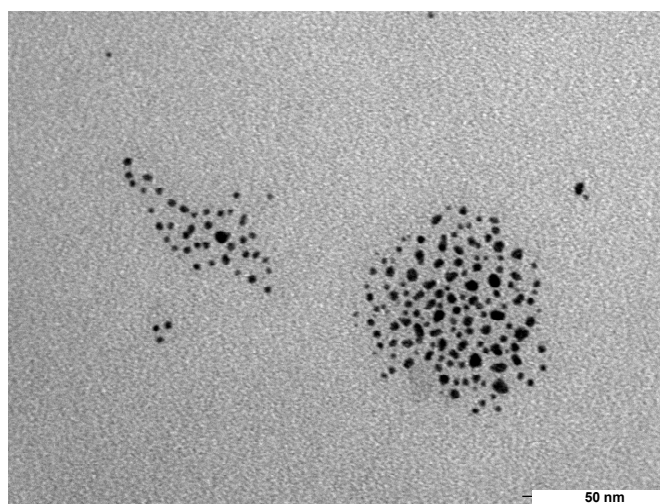


Figure S3. TEM micrograph of PEG-[G1]-Au (1:1) illustrating large and irregular shape NPs due to uncompleted passivation by the smallest dendritic block that results in uncontrolled aggregation and growth.

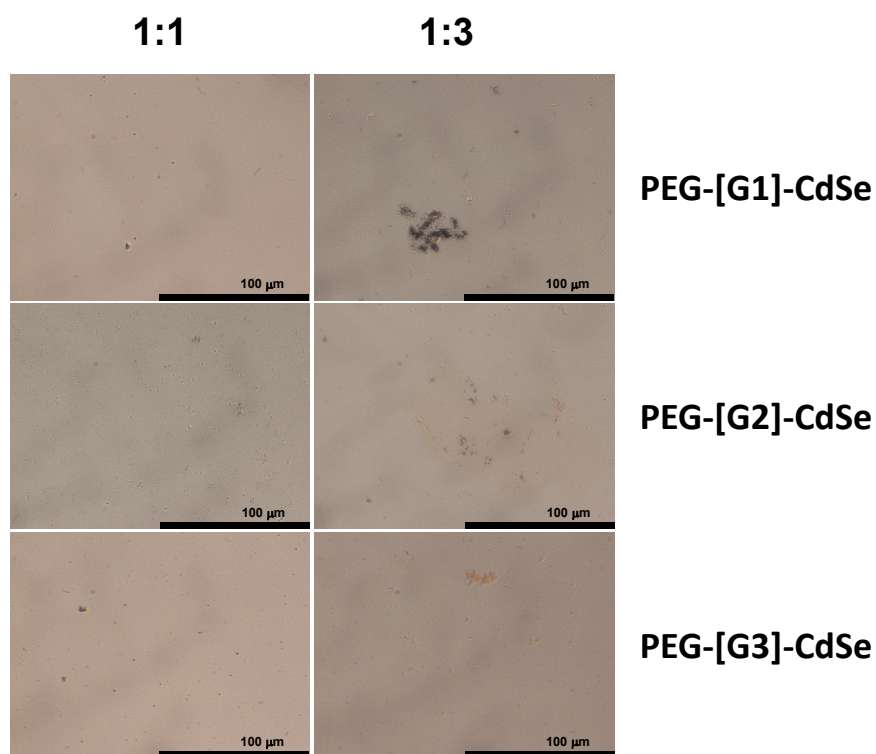


Figure S4. Aggregation of CdSe NPs in the presence of serum by optical microscopy (40x objective).

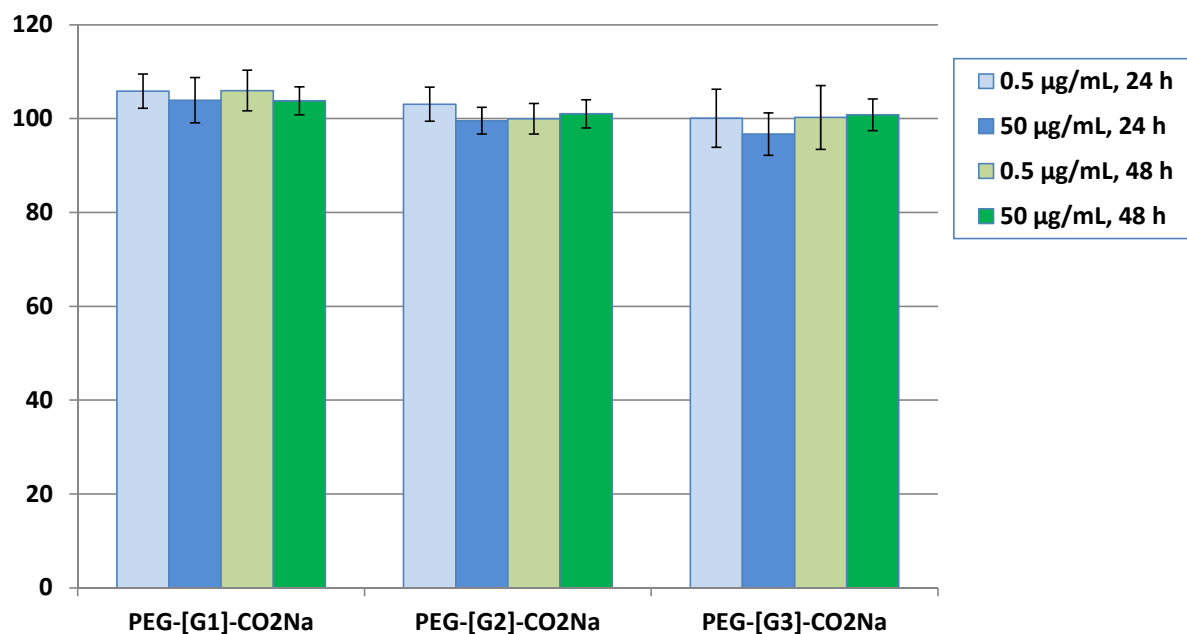


Figure S5. Cell viability of the Hmy2 cell line at 24 and 48 h in the presence of G1-G3 carboxylated PEG-GATG copolymers.