Tadpole-Shaped AgInSe$_2$ nanocrystals from a Single Molecular Precursor and its Nonlinear Optical Properties

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SUPPORTING INFORMATION

Figure S1. XRPD patterns of nanoparticles isolated (a) at 119ºC for 2 h and (b) at 119ºC for 4 h with [surfactant] to [Precursor] ratio of 50.
Figure S2. XRPD patterns of nanoparticles isolated (a) at 132°C for 2 h and (b) at 132°C for 4 h with [surfactant] to [Precursor] ratio of 25.

Figure S3. XRPD patterns of nanoparticles isolated (a) at 132°C for 2 h and (b) at 132°C for 4 h with [surfactant] to [Precursor] ratio of 50.
Figure S4. TEM images of the product obtained after heating the precursor in OLA/DT ([surfactant]/[Precursor] = 25) (a) at 132°C for 2 h and (b) at 132°C for 4 h.

Figure S5. TEM images of samples isolated after heating the precursor in OLA/DT ([surfactant]/[Precursor] = 50) at (a) 119°C for 2 h; (b) 119°C for 4 h; (c) 132°C for 2 h; (d) 132°C for 4 h.
Figure S6. TEM images of samples isolated after heating the precursor for 16 h in OLA/DT at (a) 119°C and (b) 132°C with [surfactant] to [Precursor] ratio of 25; (c) 119°C and (d) 132°C with [surfactant] to [Precursor] ratio of 50) along with the histogram of the diameter of the head and length of the tail in the inset.