

Supporting information.

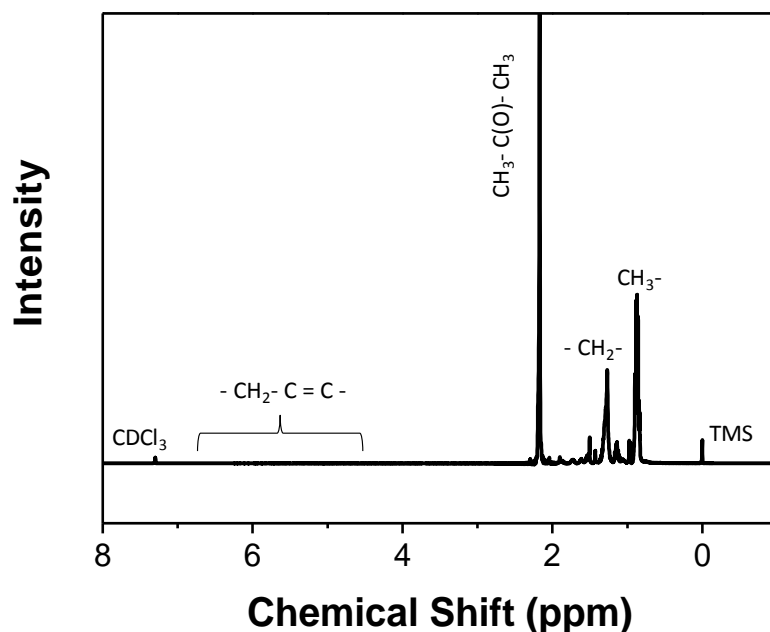


Figure S1. ¹H NMR spectrum of original PbSe NCs: At 5.5 ppm no sign for a double bound is found, at 2.3 ppm no sign for $\text{CH}_2\text{-COOH}$ is found, at 2.0 ppm no sign for $\text{CH}_2\text{-C}=\text{C}$ is found. The signal at 2.17 ppm is indicative for acetone impurities after cleaning. Tetramethylsilane (TMS) and chloroform-d (CDCl_3) are present in the solvent used for NMR measurement.

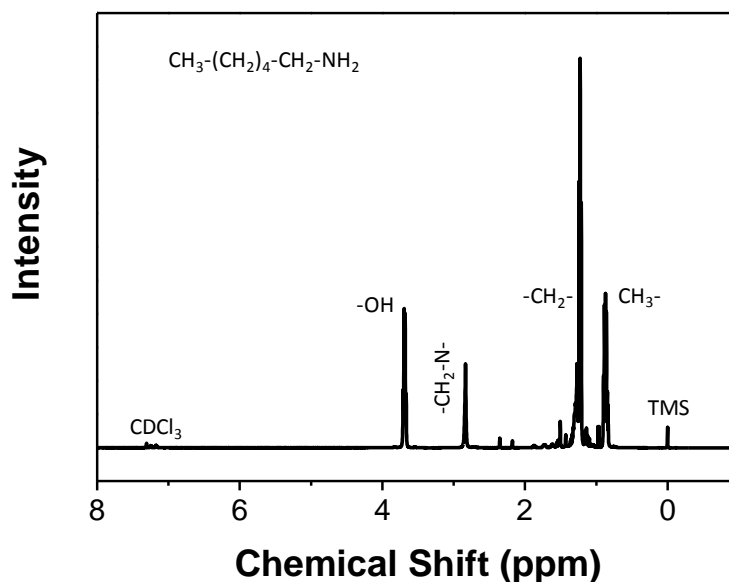


Figure S2. ¹H NMR spectrum of hexylamine-treated PbSe NCs: The signal at 3.7 ppm is indicative for impurities after cleaning (ethanol); The signal at 2.8 ppm is slightly shifted with respect to the signal expected for $\text{-CH}_2\text{-N}$; The signal at 0.9 ppm corresponds to CH_3 groups. The peaks between 1 ppm and 2 ppm are attributed to CH_2 groups from amine and ethanol, as well as to the NH_2 group.