

Supporting informations

Sol-Gel Emulsion Synthesis of Biphotonic Core-Shell Nanoparticles Based on Lanthanides Doped Organic-Inorganic Hybrid Materials

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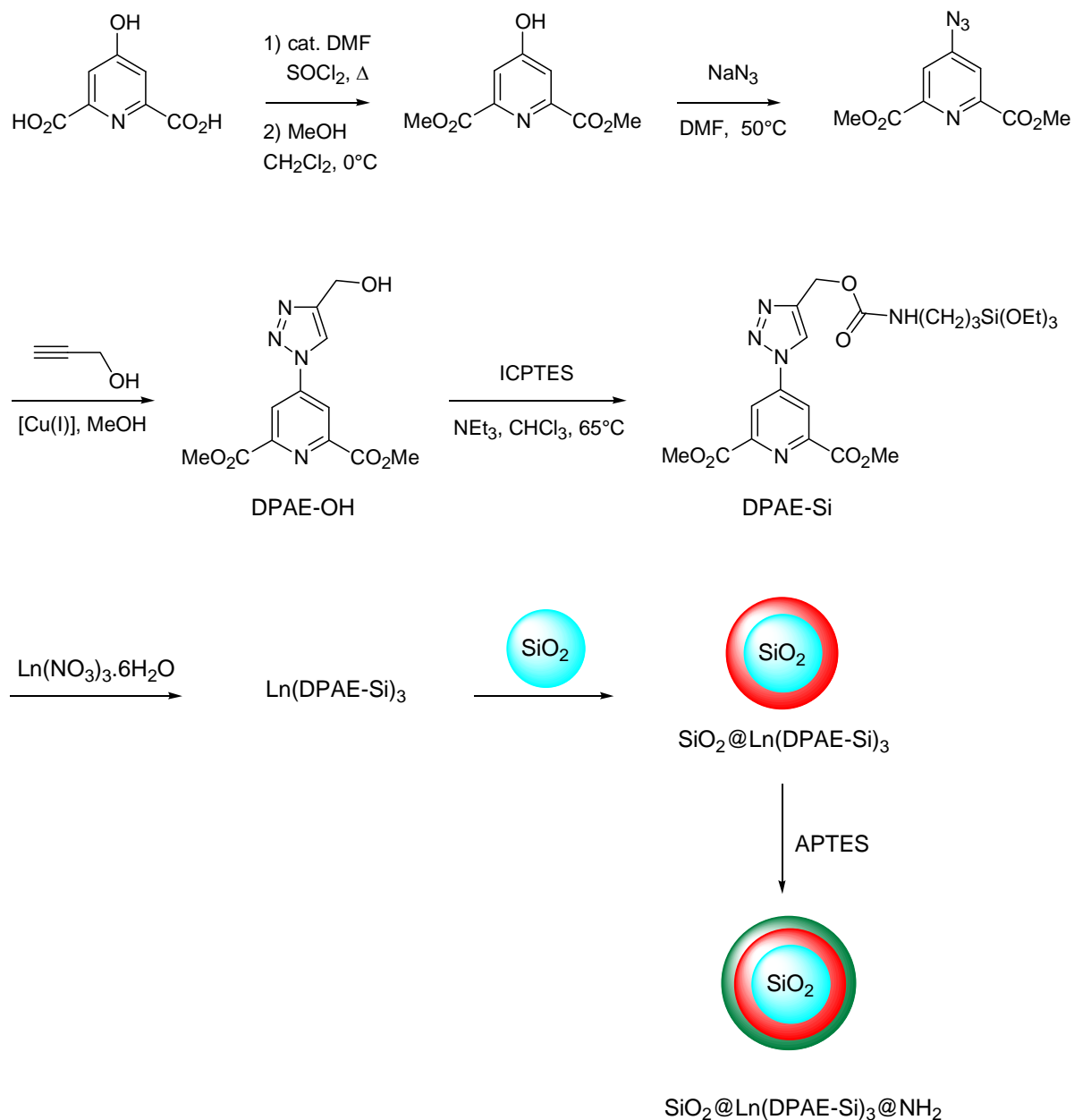
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Scheme 1. Summarized preparation of organic ligands (DPAE-OH, DPAE-Si) and corresponding core-shell nanoparticles $\text{SiO}_2@ \text{Ln}(\text{DPAE-Si})_3$ and $\text{SiO}_2@ \text{Ln}(\text{DPAE-Si})_3@ \text{NH}_2$ (Ln = Eu and Tb).



Scheme 2. Comparison between one photon (blue) and two photons (red) excitation mechanisms.

