

Figure 1. Ionic liquid-assisted gelation.

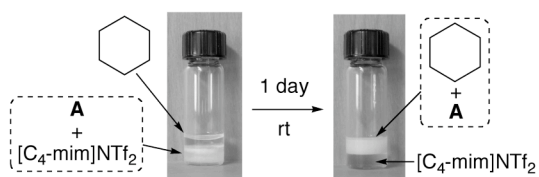


Figure 2. Gel transfer in a biphasic system

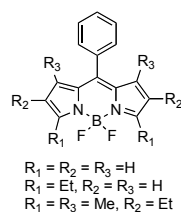
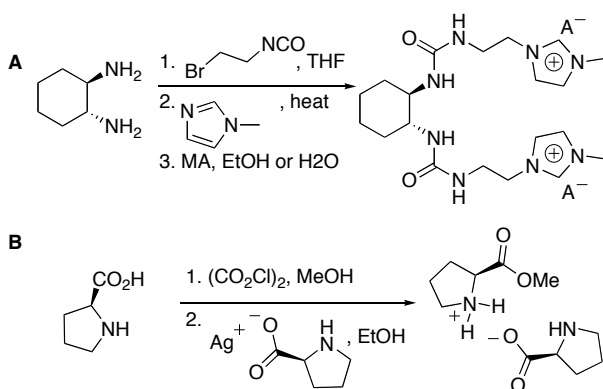
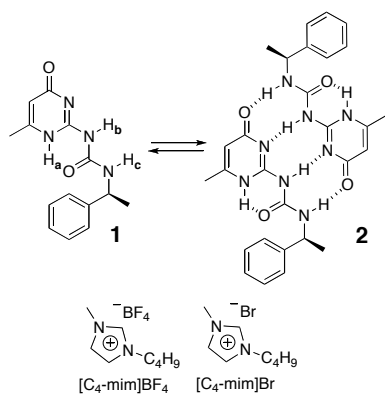


Figure 3. BODIPY dyes



Scheme 1. Synthesis of novel chiral ionic liquids



Scheme 2. Dimerization of **1** and some representative structures of ionic liquids.

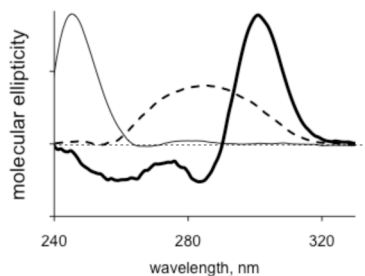


Figure 4. CD spectra of **1** in molecular (CH_2Cl_2 – thin line, DMSO – dotted line) and ionic ($[\text{C}_4\text{-mim}]\text{BF}_4$ – thick line) liquids.