**Cationic Azobenzenes as Light-Responsive Crosslinkers for Alginate-Based Supramolecular Hydrogels**

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Supplementary Materials



**Figure S1.** Synthetic scheme of AZO A and AZO B.   
i) NaNO2, H2O/HCl, 0-5°C, 30 min; ii) NaOH pH=11, 10-15°C, 3h; iii) 1,6- dibromohexane, K2CO3, CH3CN dry, reflux, 48h; iv) N(CH3)3 in ethanol solution, 50°C, 48h for AZO A and Py in acetonitrile, 70°C, 48h for AZO B.



**Figure S2.** Synthetic scheme of AZO C.   
i) NaNO2, H2O/HCl, 0-5°C, 30 min; ii) NaOH pH=11, 10-15°C, 3h; iii) 1,4-dibromobutane, K2CO3, KI, acetone, reflux, 4h; iv) N(CH3)3 in ethanol solution, 50°C, 48h; v) HCl conc, 40°C, overnight.