

Supporting Information

Bisphosphonic Acid Functionalized Crosslinkers to Tailor Hydrogel Properties for Biomedical Applications

Melek N. Guven ^{§†}, Merve S. Altuncu ^{§†}, Tugba Bal [‡], Dilem C. Oran [‡], Umit Gulyuz [‡],
Seda Kizilel [‡], Oguz Okay [#], Duygu Avcı ^{*†}

Table S1. Solubilities of the crosslinkers in selected solvents

Crosslinkers	H ₂ O	MeOH	Ether	Hexanes	THF	CHCl ₃
1a	+	+	-	-	+	+
2a	+	+	-	-	-	-
1b	+	+	-	-	+	+
2b	+	+	-	-	-	-

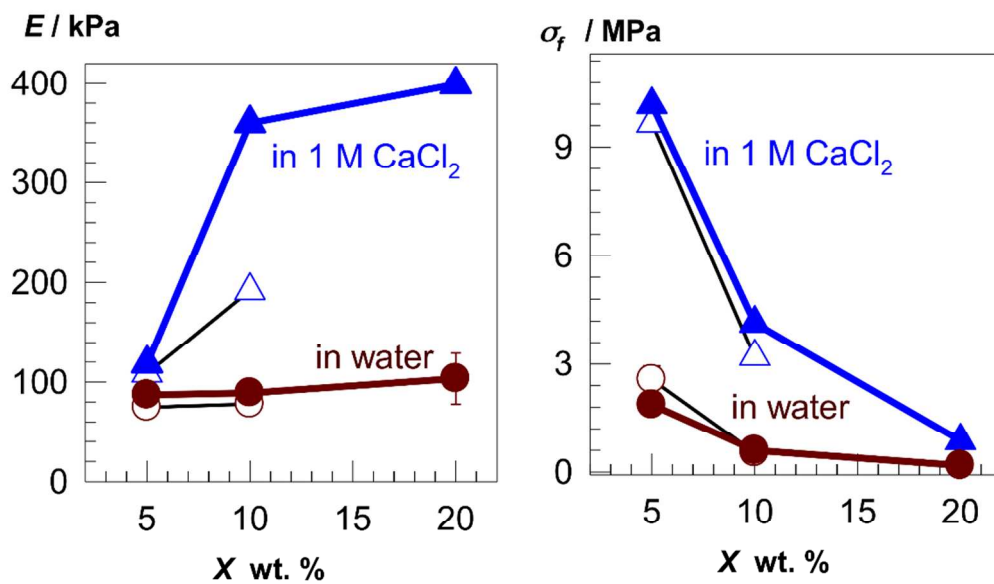


Figure S1. Young's modulus E and fracture stress σ_f of the hydrogels in water (circles) and in aqueous 1 M CaCl_2 solution (triangles) plotted against the crosslinker content. Crosslinker = 2a (filled symbols) and 2b (open symbols). Total monomer concentration = 25 wt %.