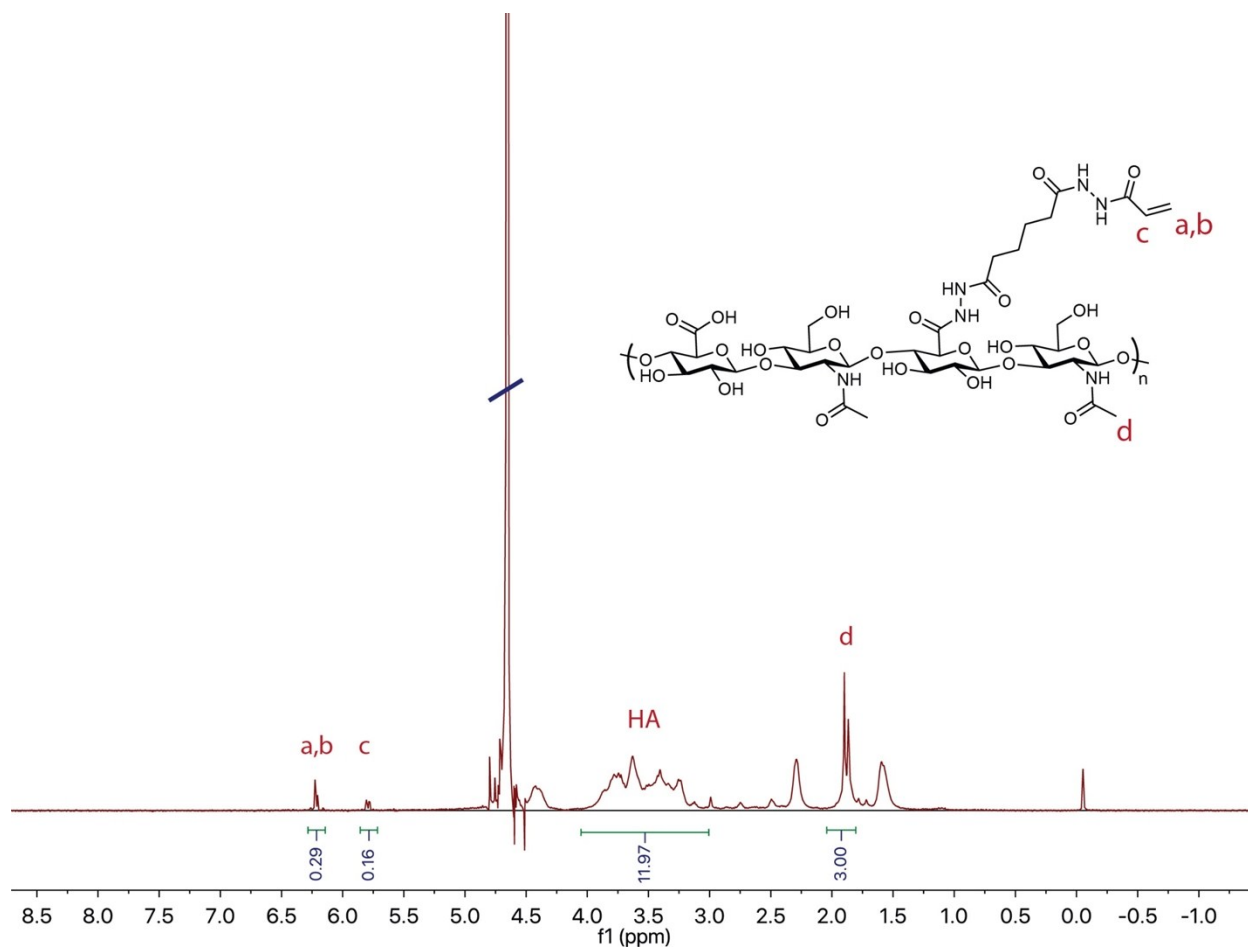


SUPPLEMENTARY MATERIAL



Supplementary Figure 1. The extent of acrylation was determined to be 15% using ¹H-NMR (D₂O) by taking the ratio of the sum of the peaks corresponding to the acrylate hydrogens at $\delta = 5.8$ and 6.2 ppm to the peak corresponding to the acetyl methyl hydrogens in HA at $\delta = 1.9$ ppm.