## **Supporting Materials**

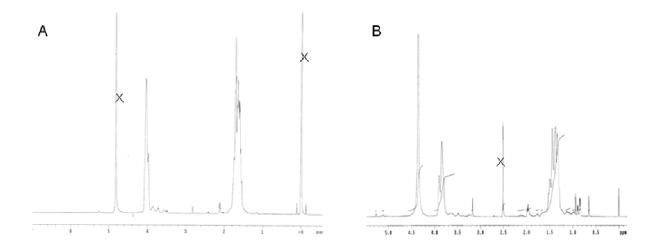


Figure S1.  $^{1}$ H-NMR spectrum of CPVA31 in D $_{2}$ O (A), in DMSO- $d_{6}$  (B). Crossed peaks correspond to residual solvent peaks. Values on the x-axis are in ppm.

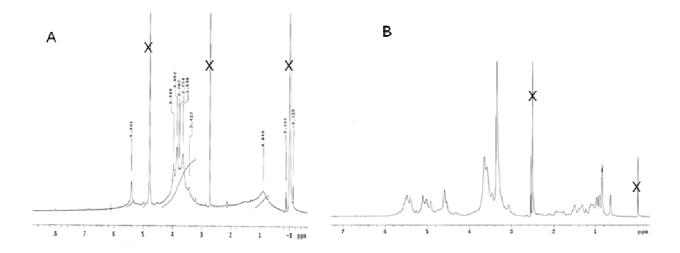


Figure S2.  $^{1}$ H-NMR spectra of CDex9 in D $_{2}$ O (A) and in DMSO- $d_{6}$  (B). Crossed peaks correspond to residual solvent peaks. Values on the x-axis are in ppm.

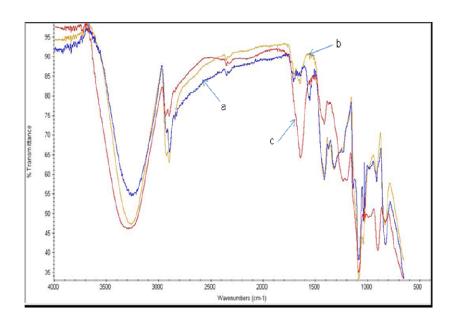


Figure S3. IR spectrum of (a) PVA31 polymer, (b) CPVA31 and (c) CPVA31-p<sub>4</sub>FdU conjugates