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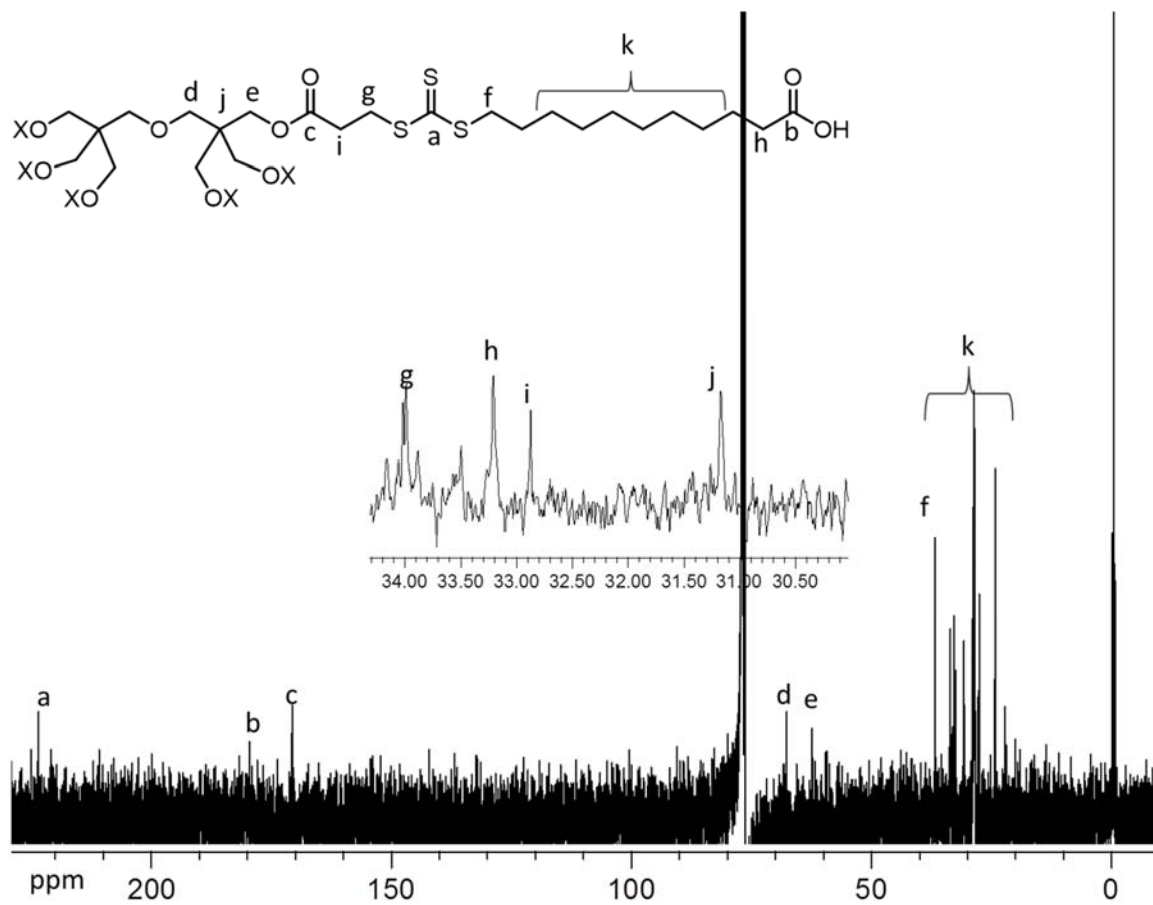
## SUPPLEMENTARY MATERIAL

### **Star-Shaped Copolymers Based on Poly(*N*-vinylcaprolactam) and their Use as Nanocarriers of Methotrexate**

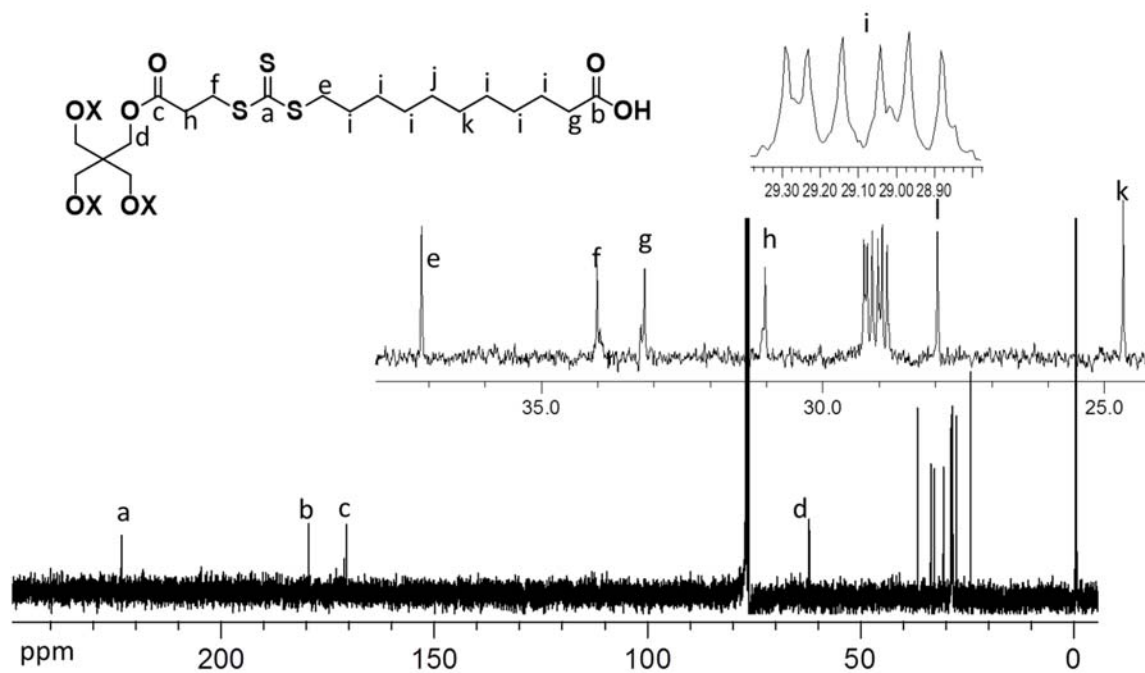
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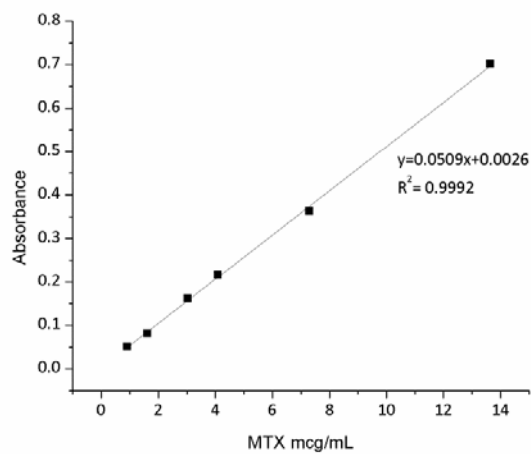
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**Fig.S1.**  $^{13}\text{C}$  NMR spectra (400 MHz) of hexafunctional CTA-1 with carboxylic acid end groups.



**Fig.S2.** <sup>13</sup>C NMR spectra (400 MHz) of tetra-functional CTA-2 with carboxylic acid end groups.



**Fig.S3.** MTX calibration curve by UV-vis in DMF.