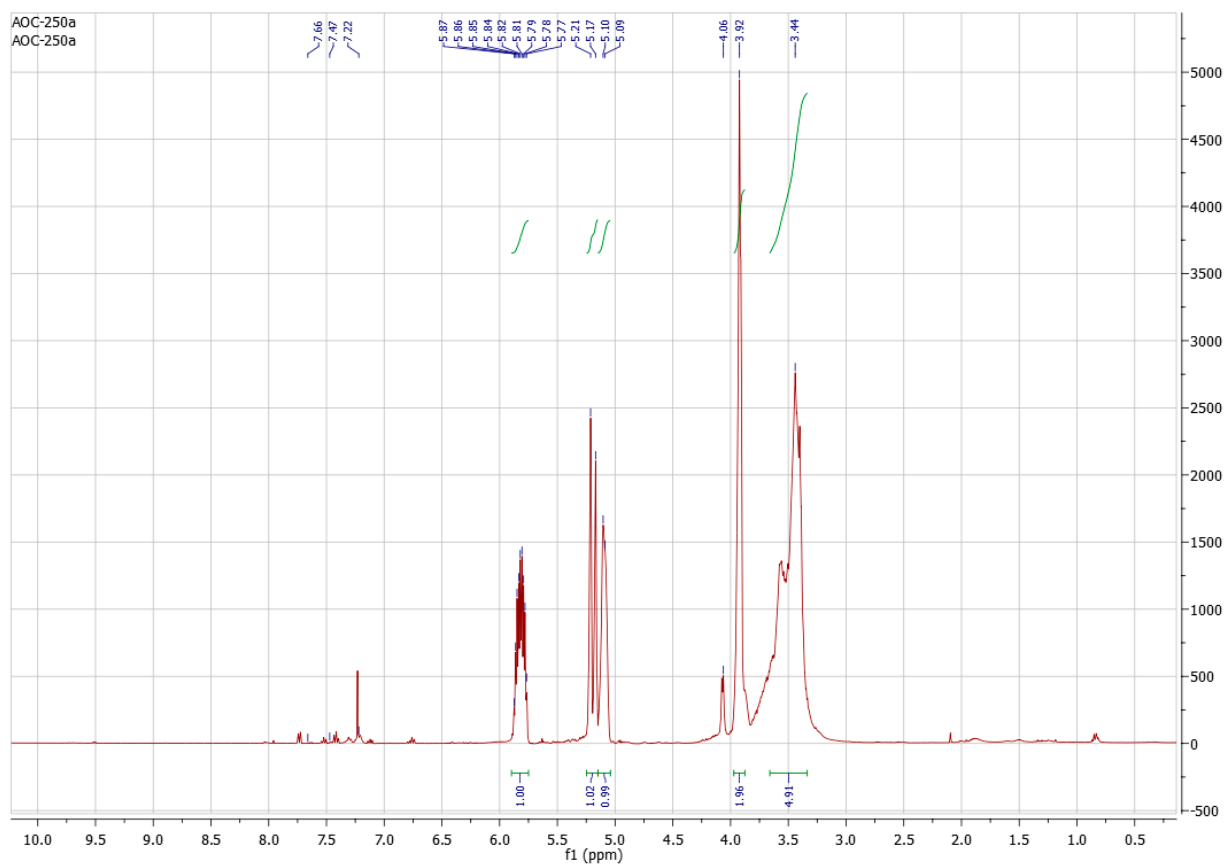
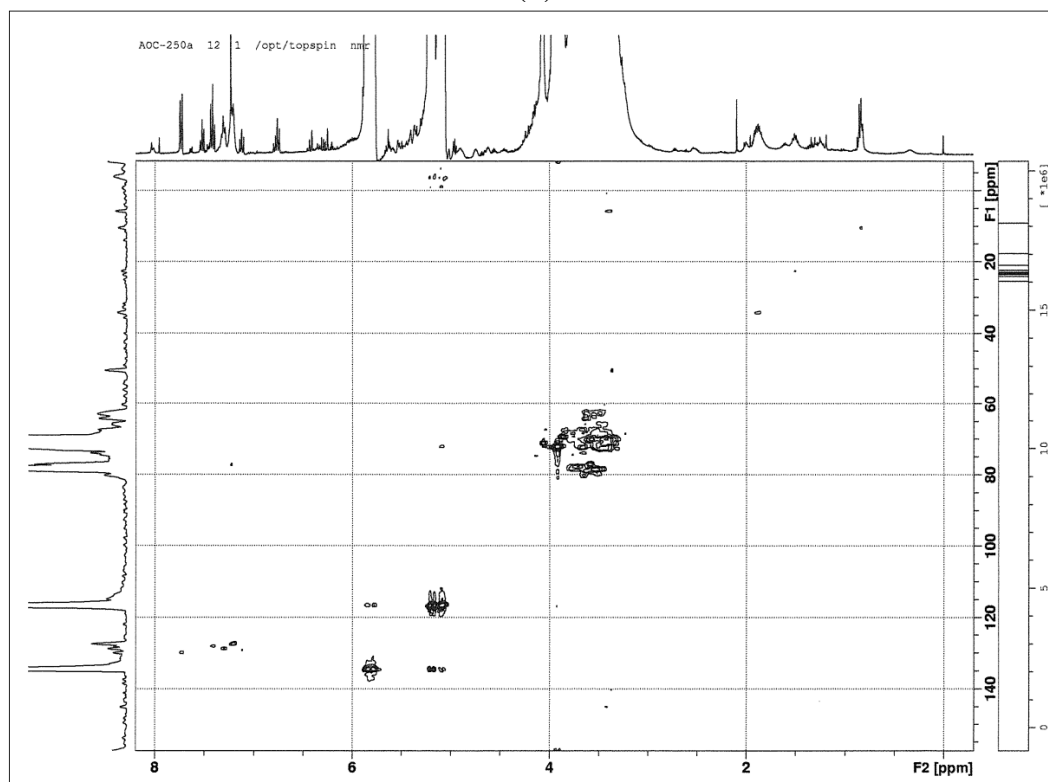


Supplementary Materials

Figure S1. Poly(allyl glycidyl ether) (**1**): (a) ^1H -NMR; (b) ^{13}C -NMR; (c) MALDI-TOF MS.



(a)



(b)

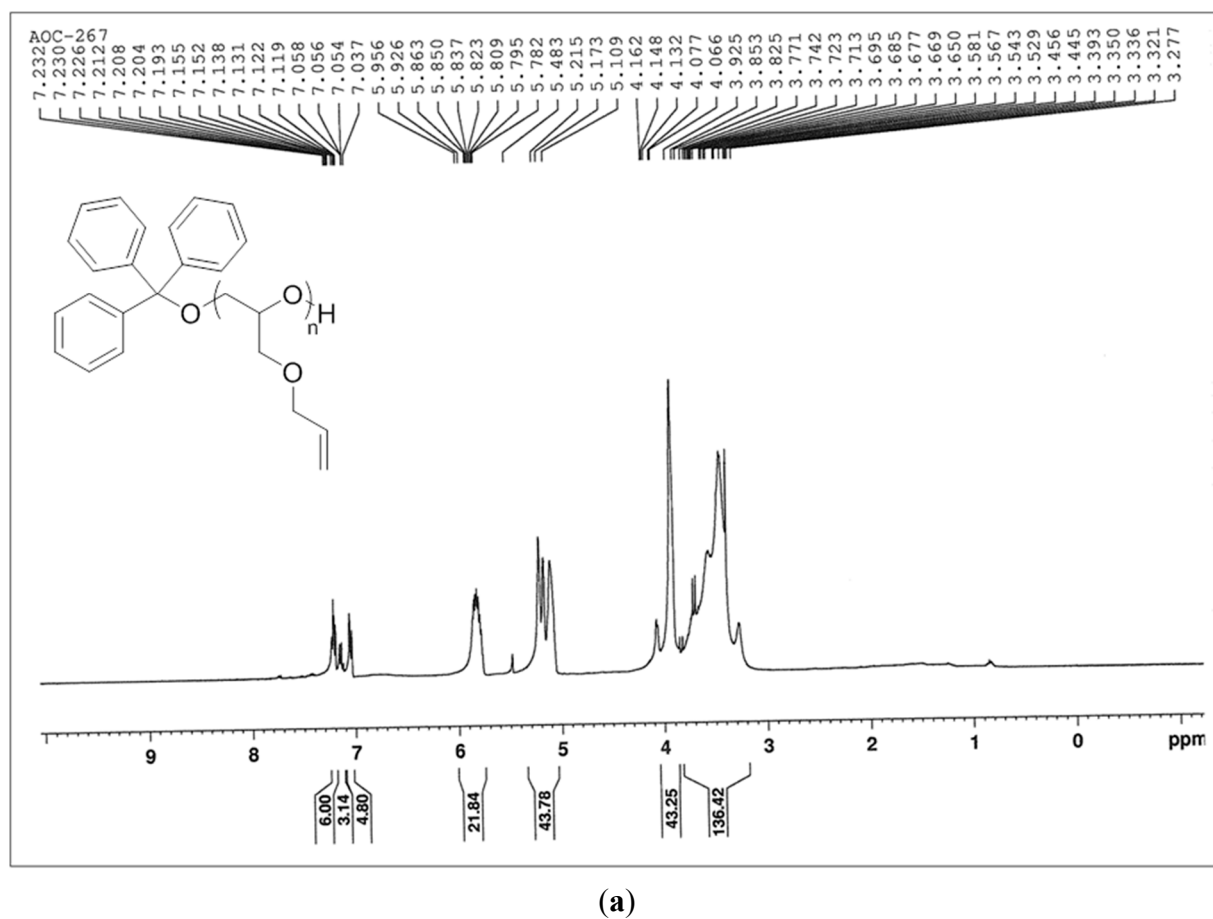
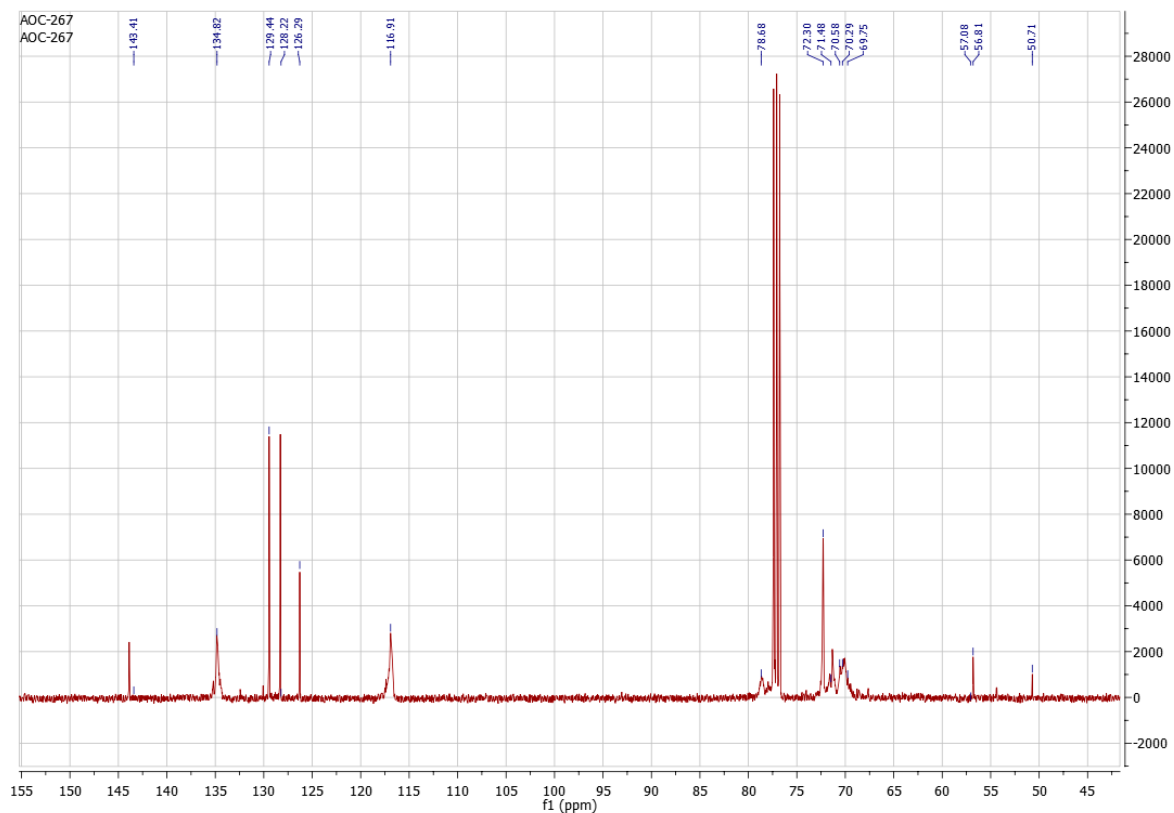
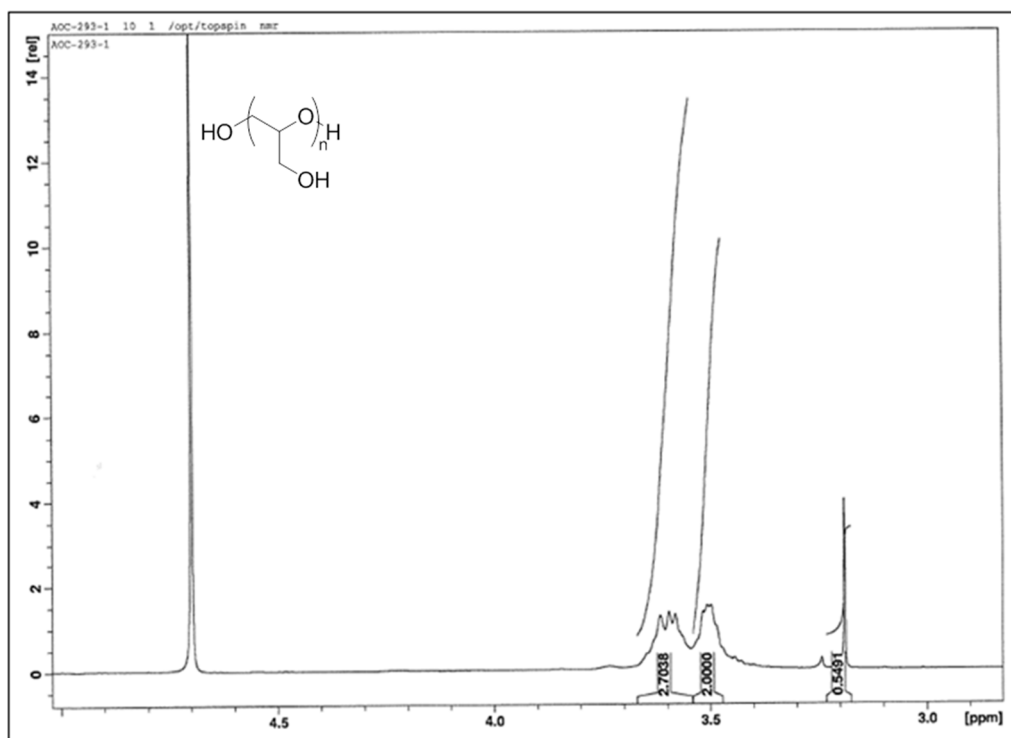
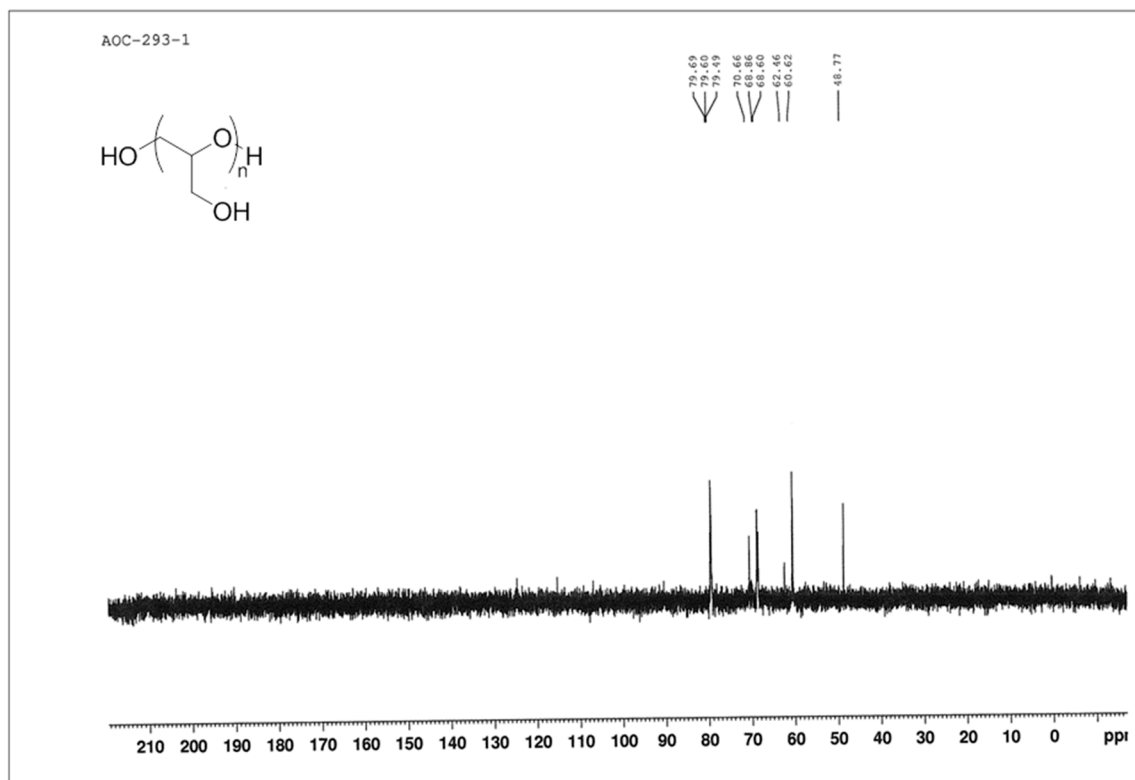


Figure S2. *Cont.*

(b)

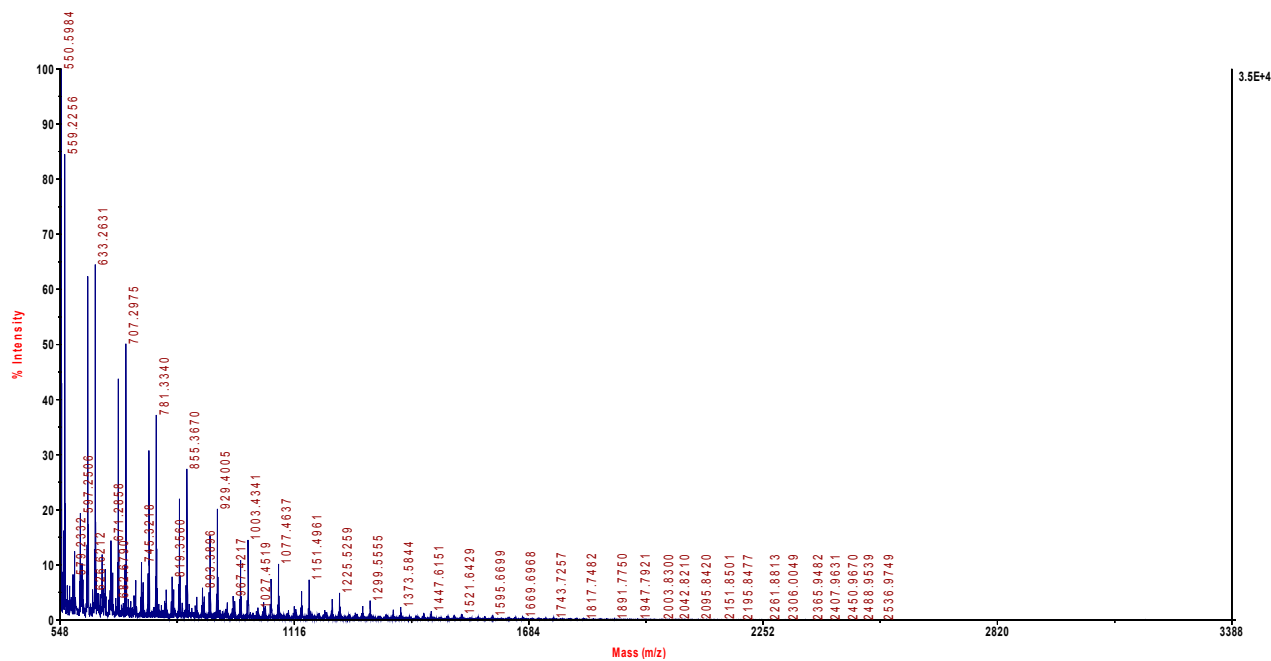
Figure S3. Polyglycerol (3): (a) ¹H-NMR; (b) ¹³C-NMR; (c) MALDI-TOF MS.

(a)

Figure S3. *Cont.*

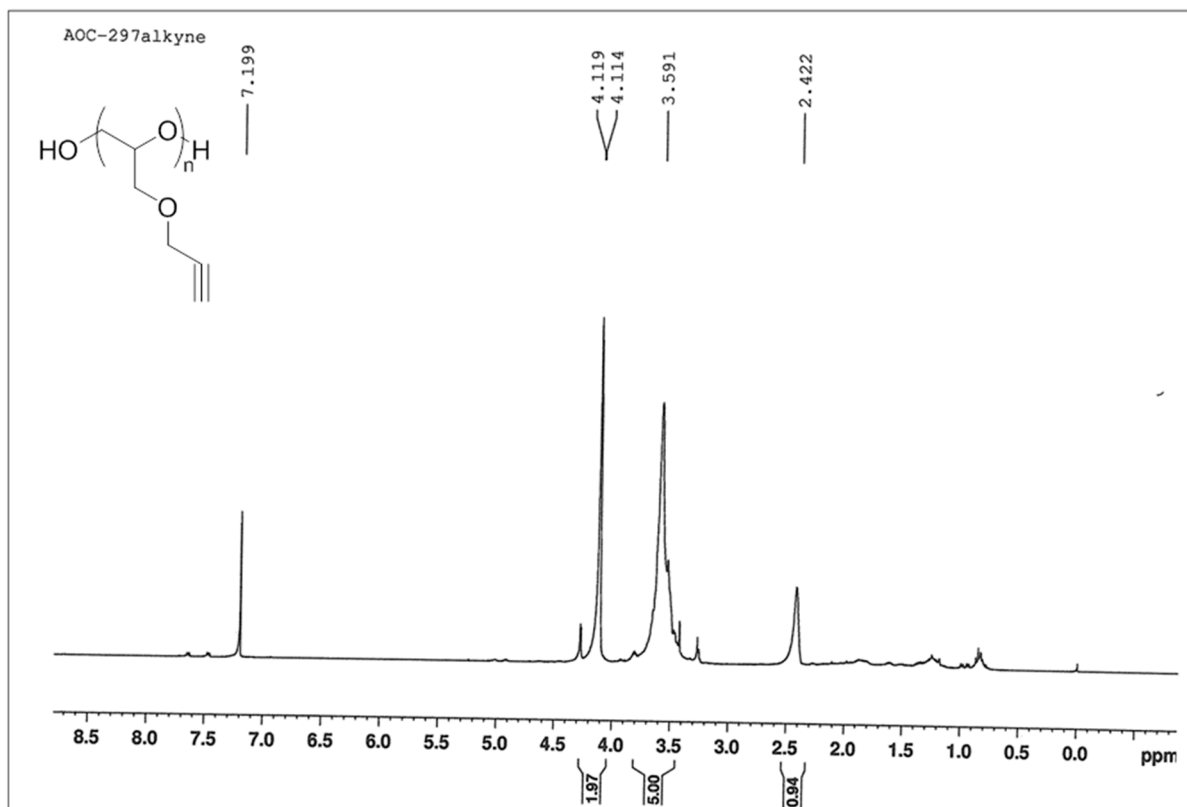
(b)

TOF/TOF™ Reflector Spec #1 MC[BP = 538.1, 98760]

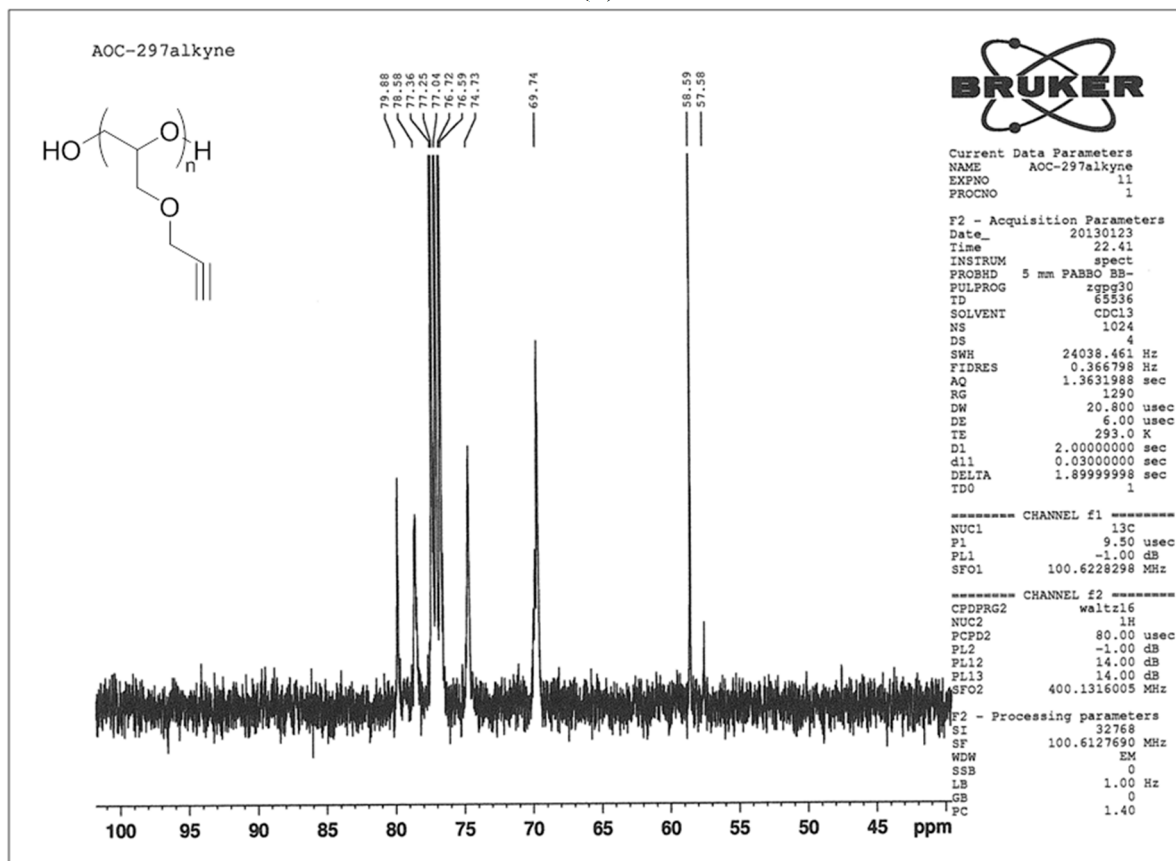


(c)

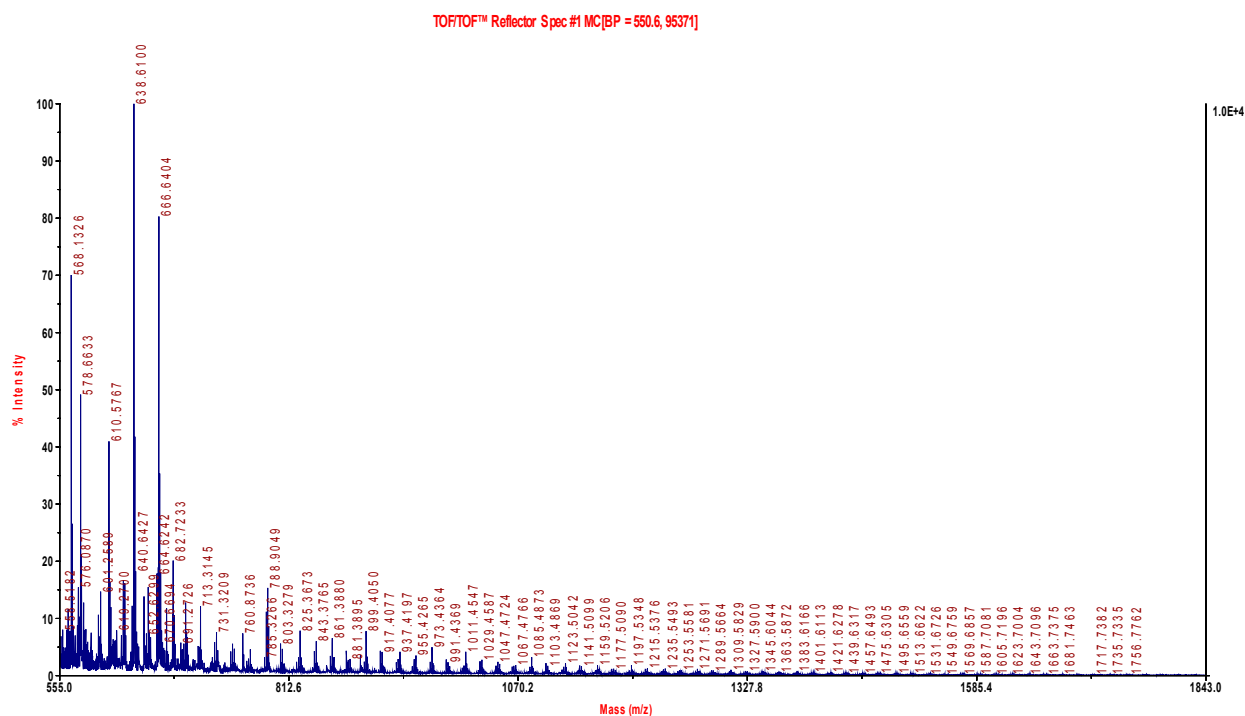
Figure S4. Poly(propargyl glycidyl ether) (4): (a) ^1H -NMR; (b) ^{13}C -NMR; (c) MALDI-TOF MS.



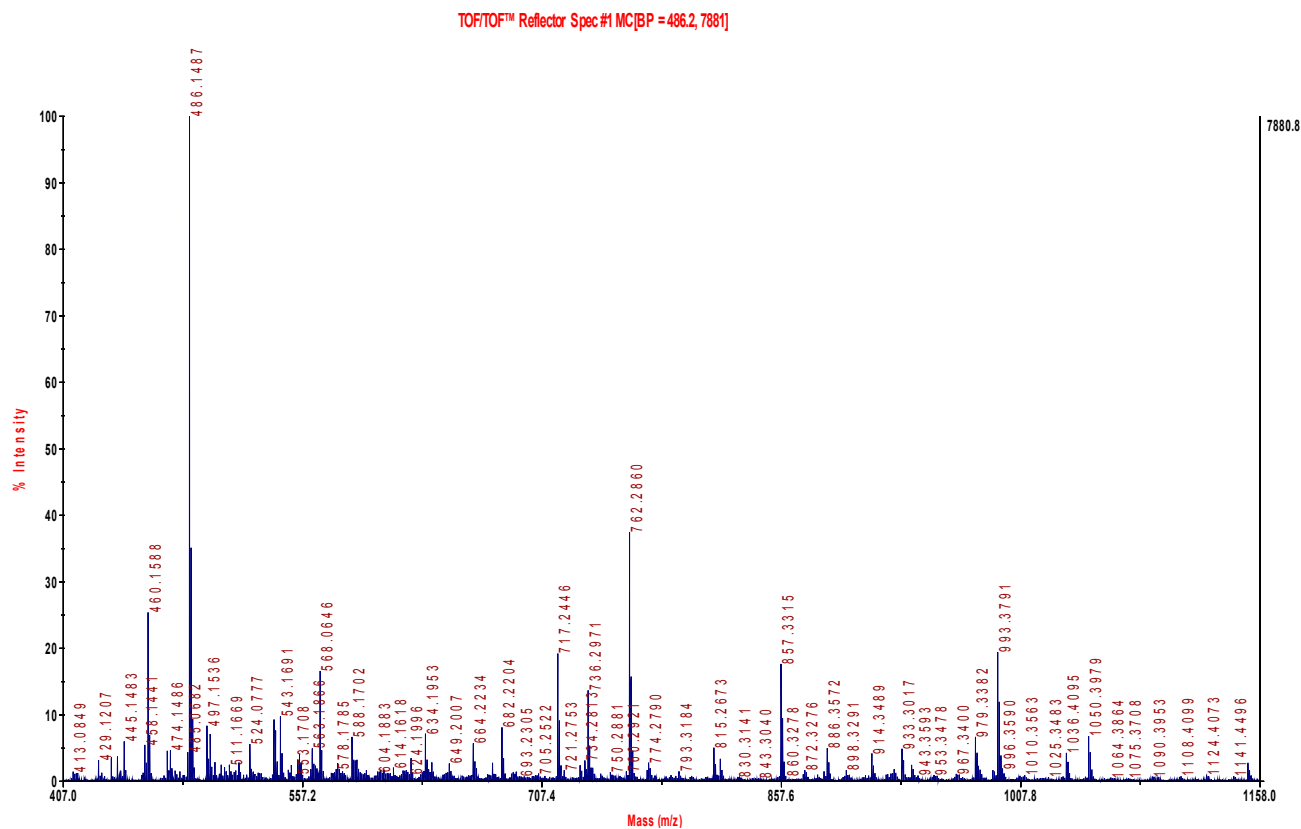
(a)



(b)

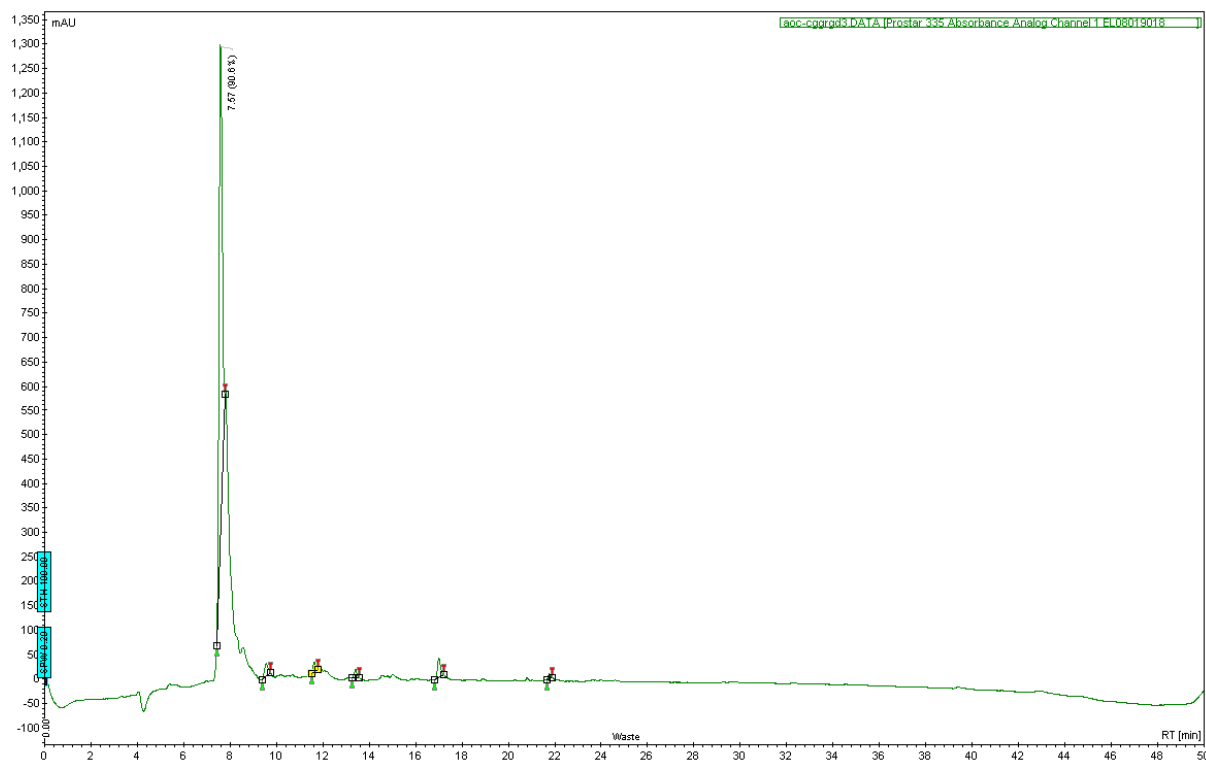
Figure S4. *Cont.*

(c)

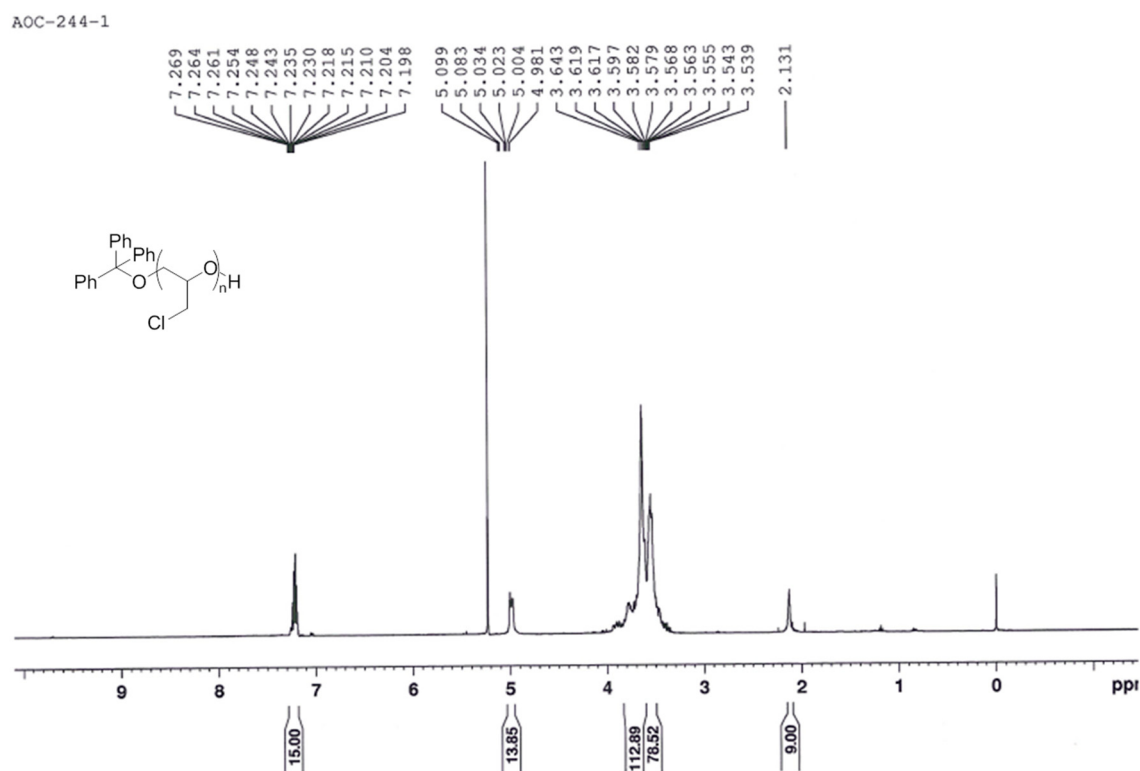
Figure S5. N₃-GGRGD-NH₂ (5): (a) MALDI-TOF MS; (b) RP-HPLC.

(a)

Figure S5. Cont.

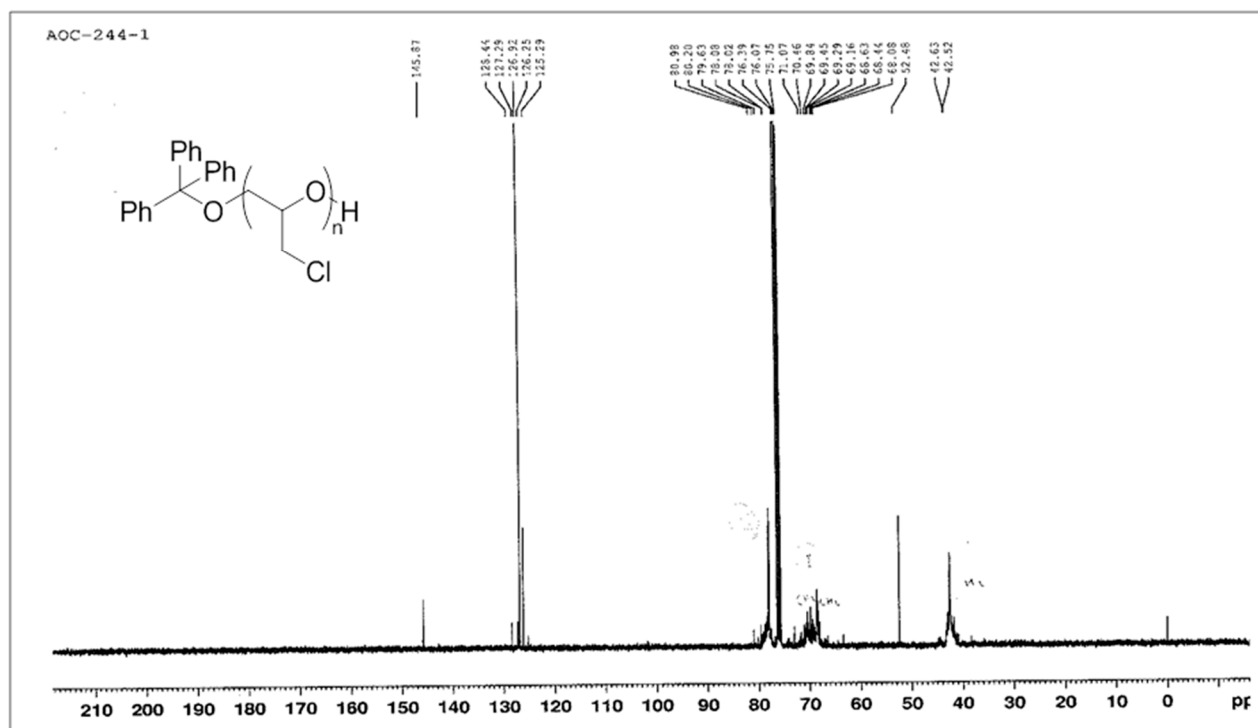


(b)

Figure S6. Polyepichlorohydrin (**8**): (a) ^1H -NMR; (b) ^{13}C -NMR; (c) MALDI-TOF MS.

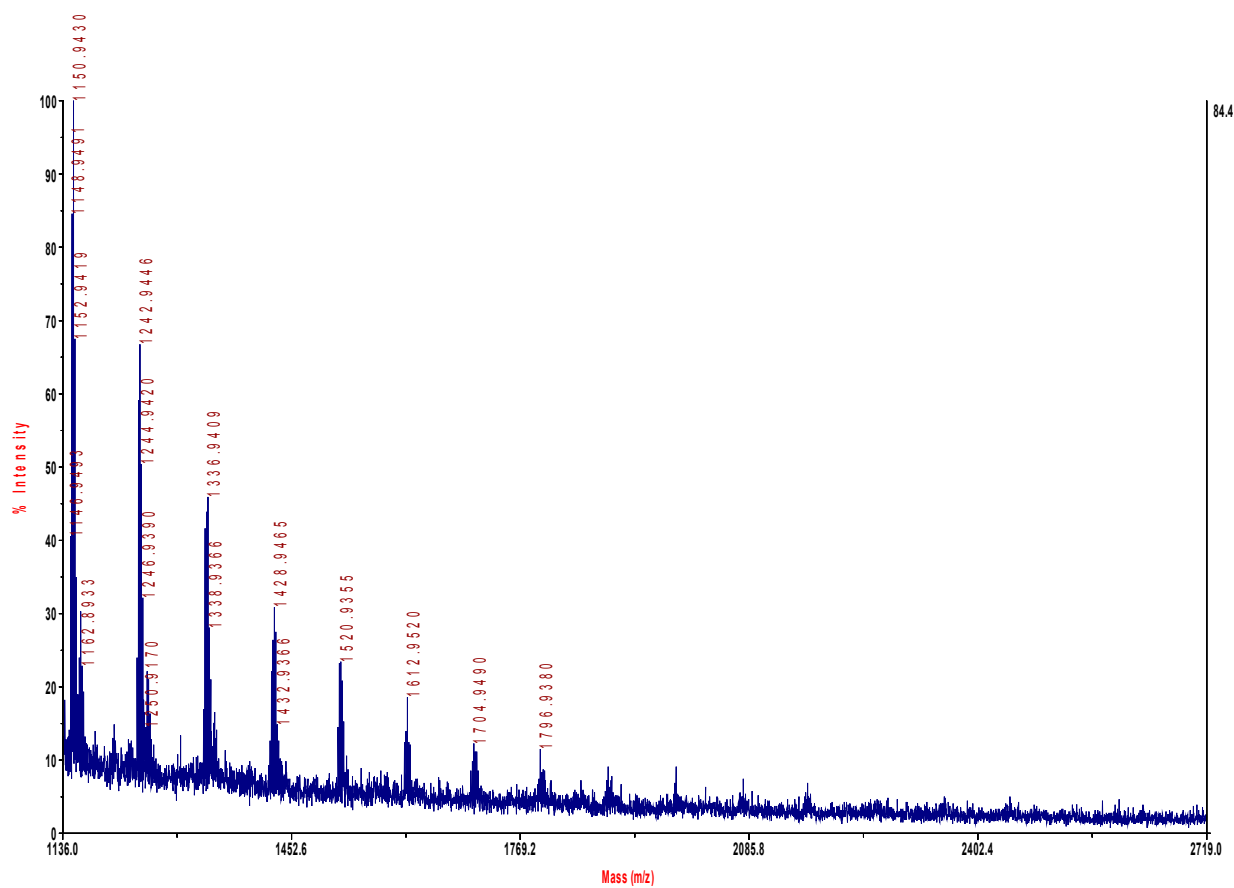
(a)

Figure S6. Cont.



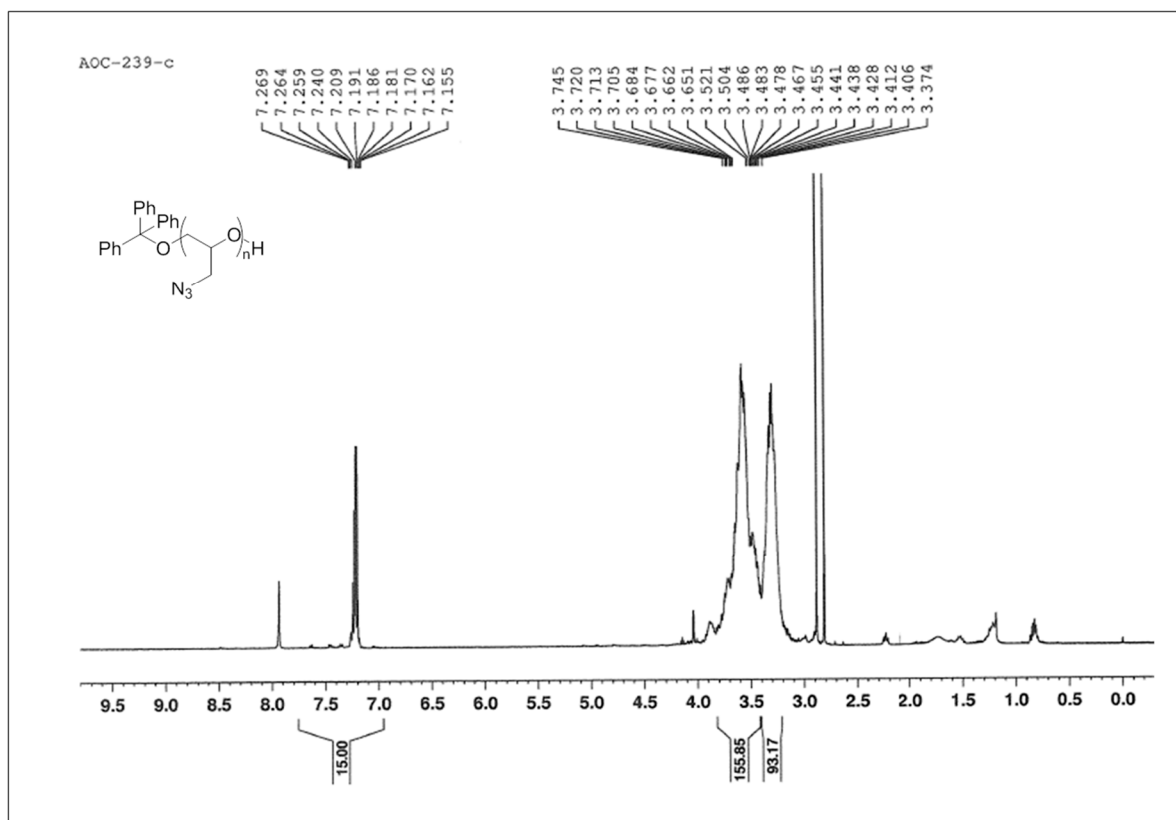
(b)

TOF/TOF™ Reflector Spec #1 MC[BP = 1020.7, 277]

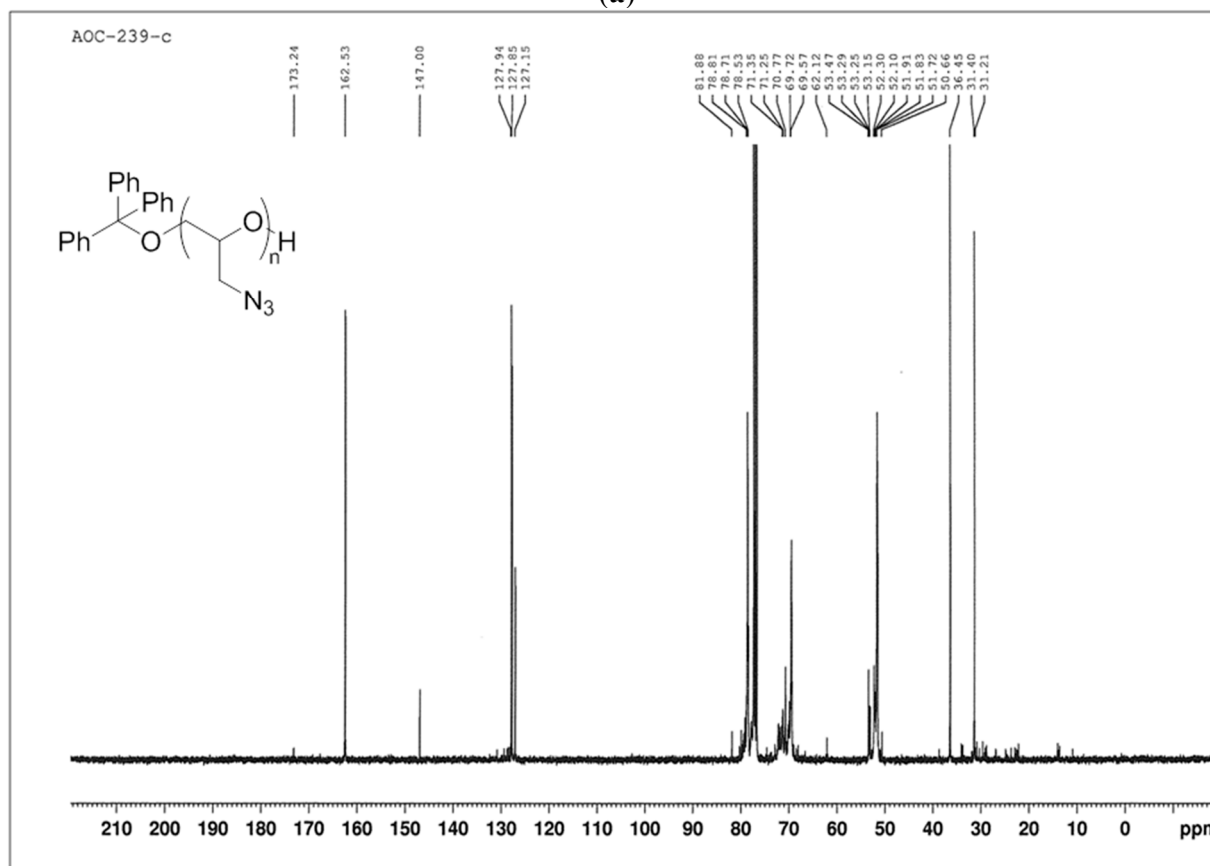


(c)

Figure S7. Polyglycidyl azide (**9**). (a) ^1H -NMR; (b) ^{13}C -NMR; (c) MALDI-TOF MS.

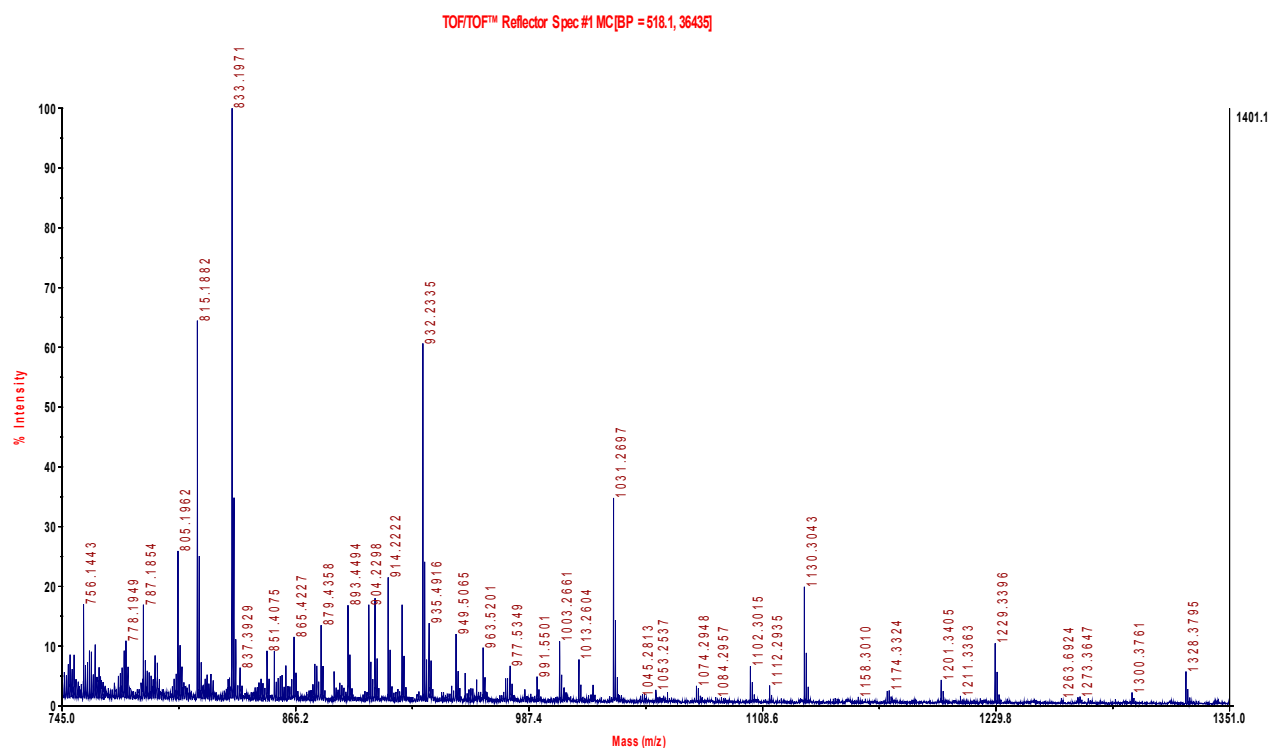


(a)

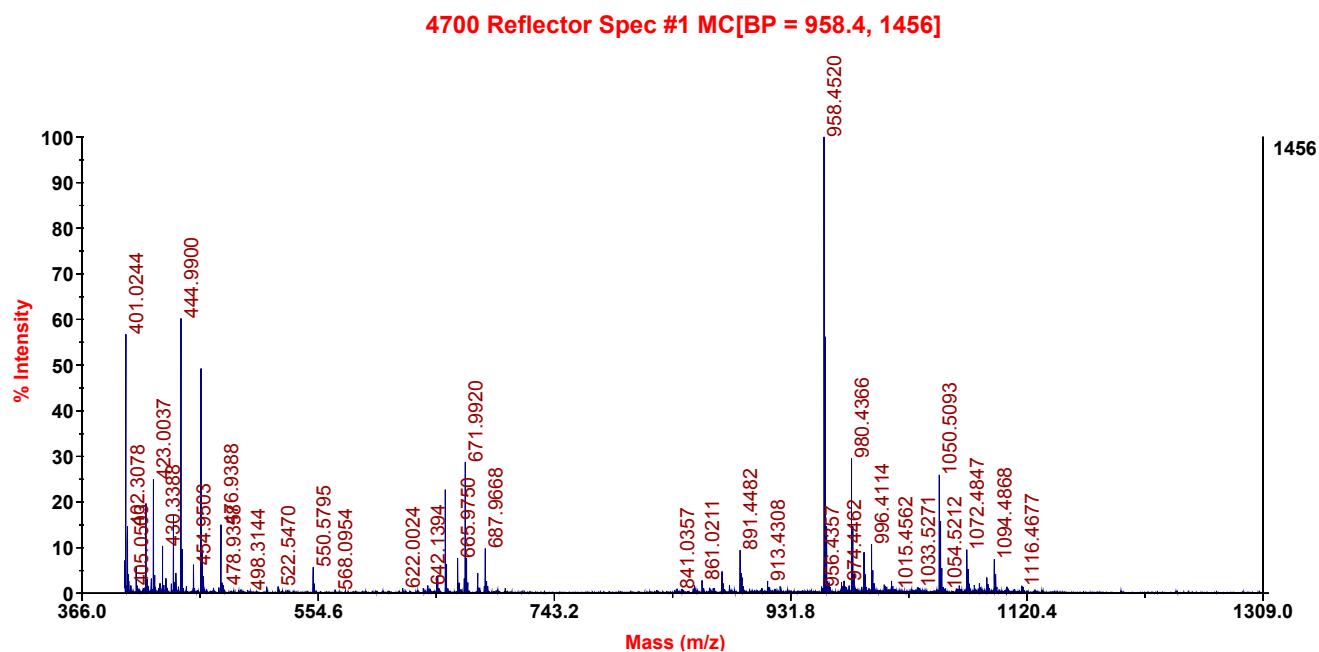


(b)

Figure S7. Cont.

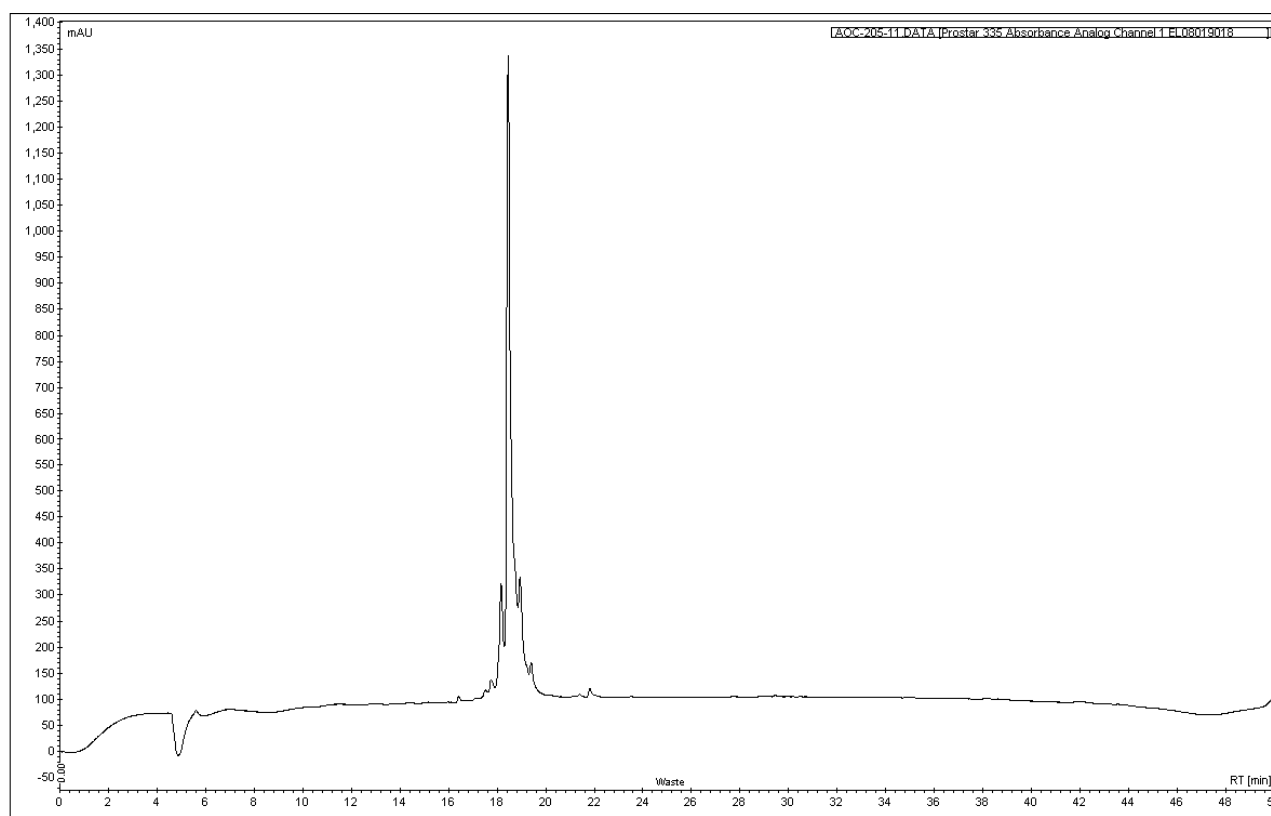


(c)

Figure S8. Propioly-GWYRGR-L-NH₂ (10): (a) MALDI-TOF MS; (b) RP-HPLC.

(a)

Figure S8. Cont.



(b)

Figure S9. (11) Conjugation of (10) with polyglycidyl azide (9) MALDI-TOF MS.

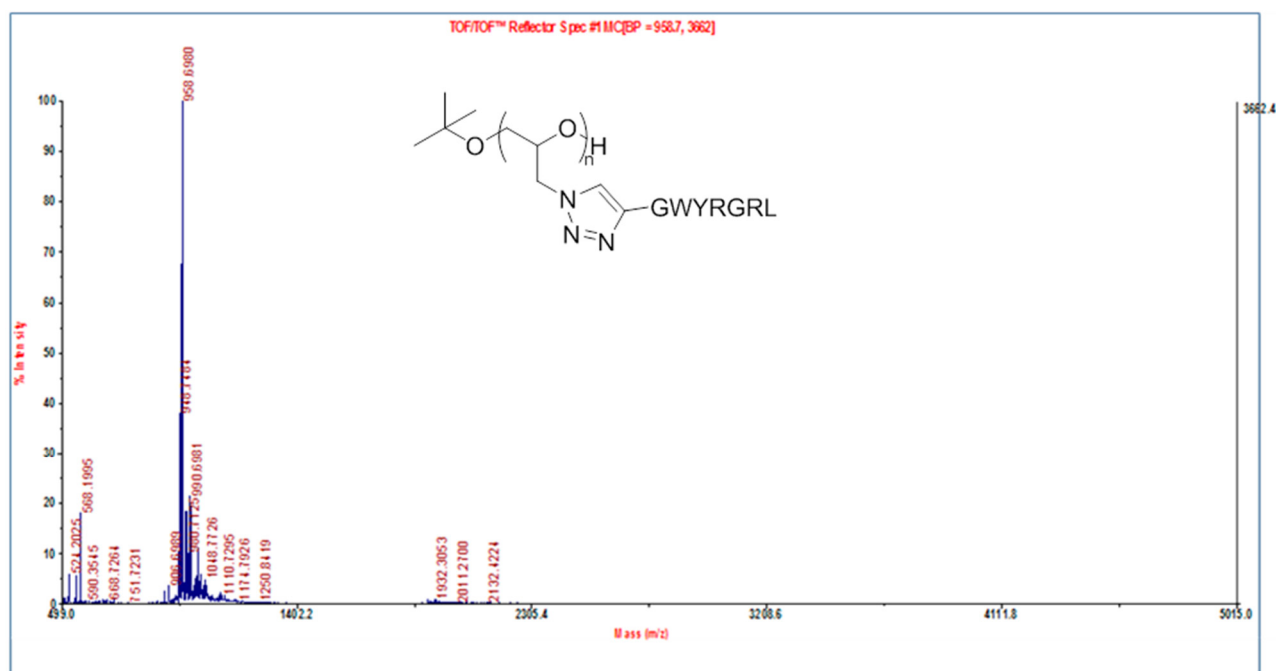
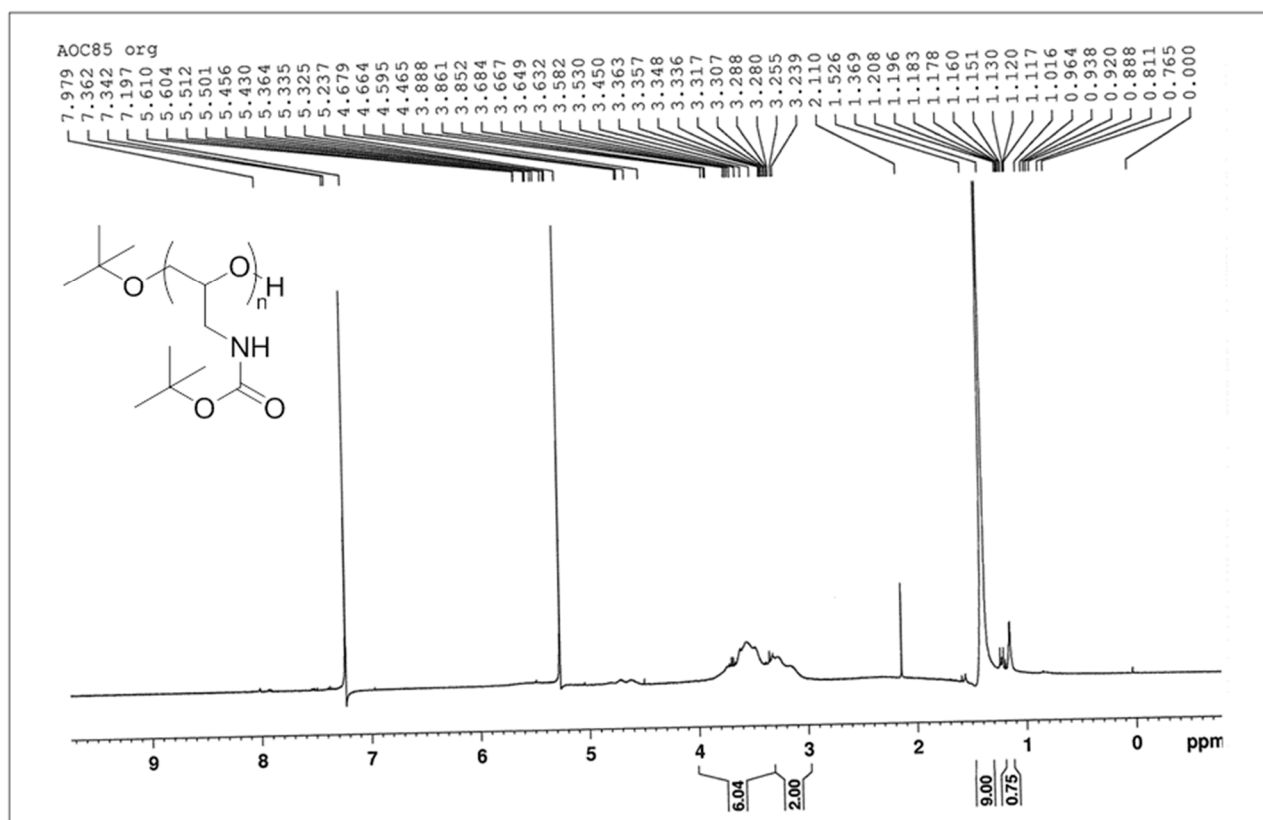
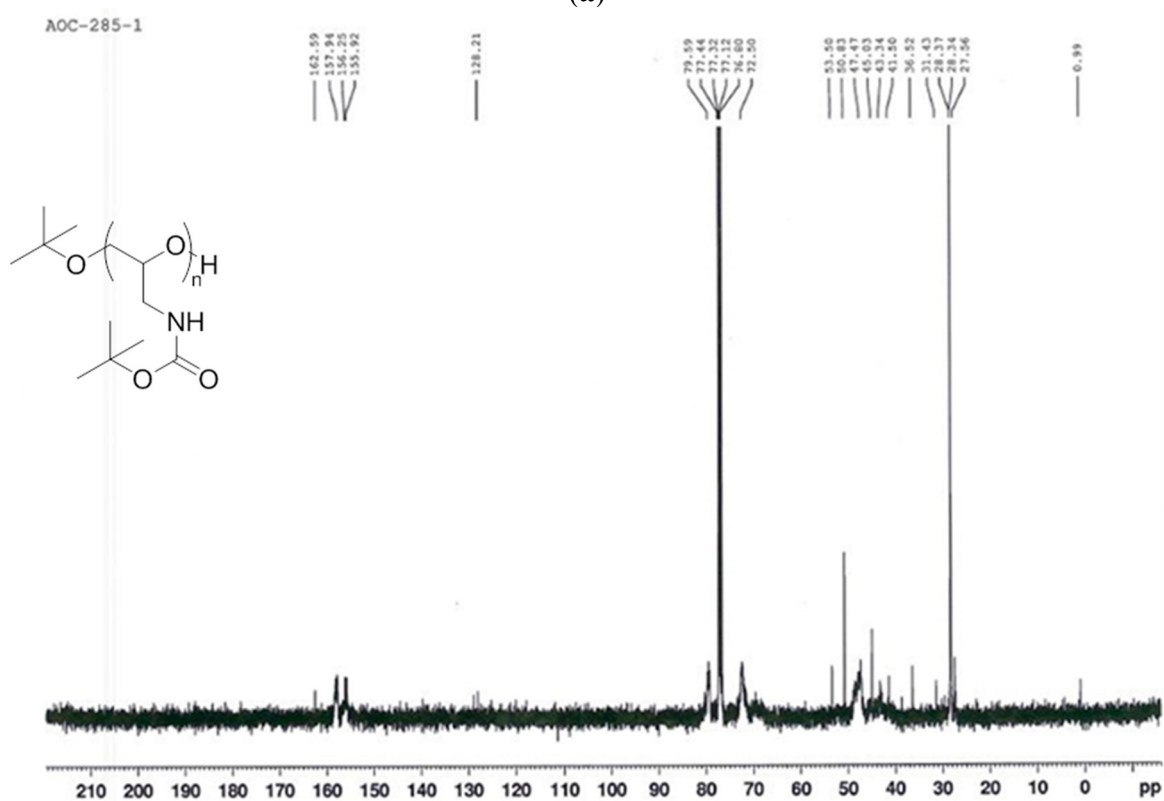


Figure S10. Poly(glyciyl *tert*-butyl carbamate) (**12**): (a) ^1H -NMR; (b) ^{13}C -NMR.

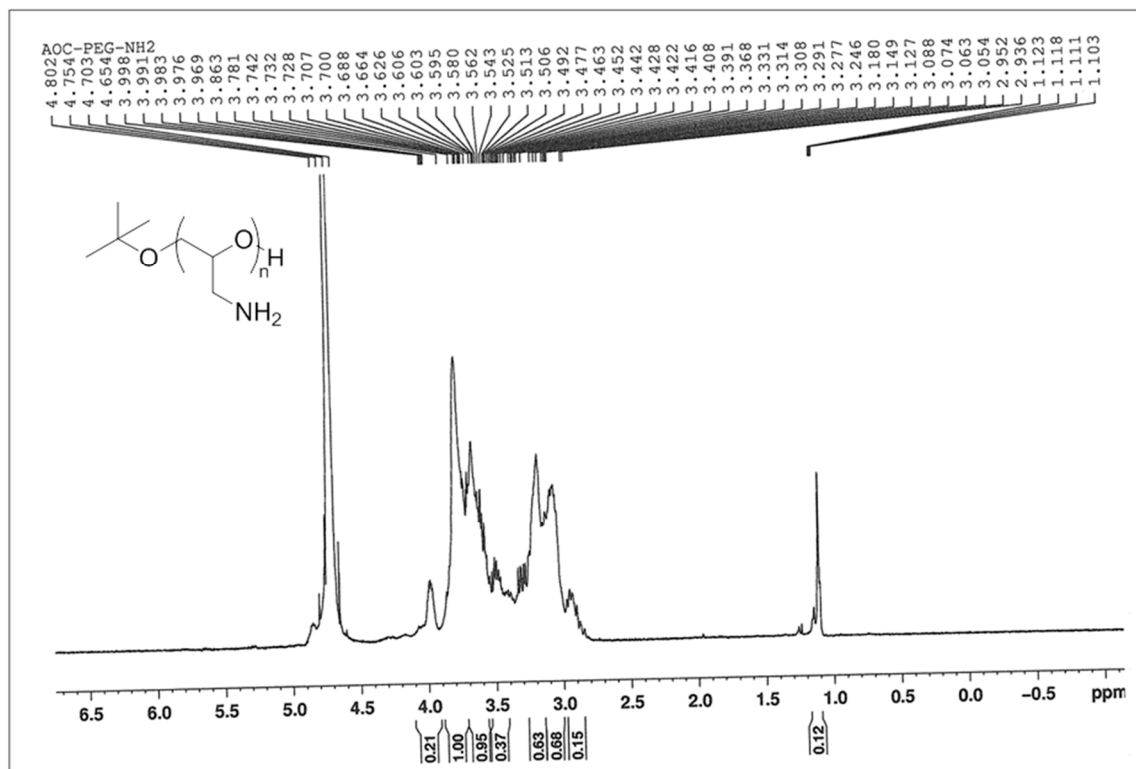


(a)

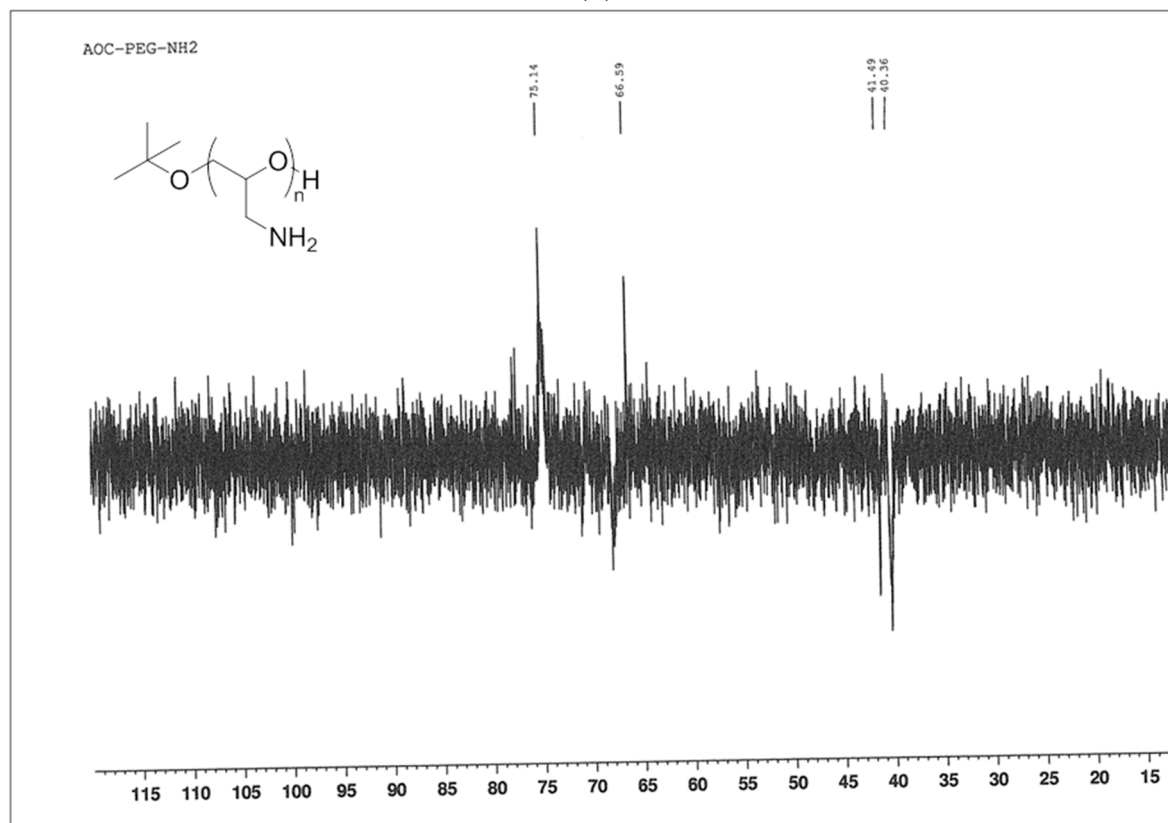


(b)

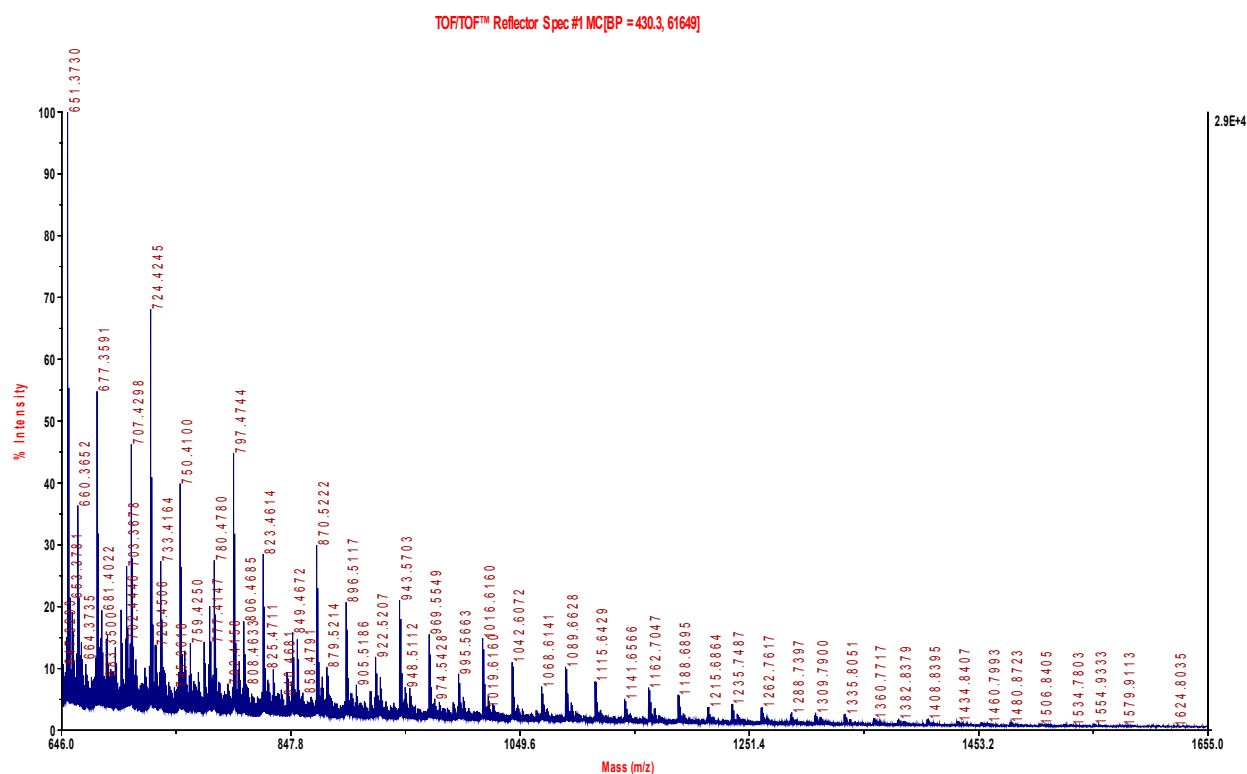
Figure S11. Poly(glycidyl amine) (**13**): (a) ^1H -NMR; (b) ^{13}C -NMR, Dept 135; (c) MALDI-TOF MS.



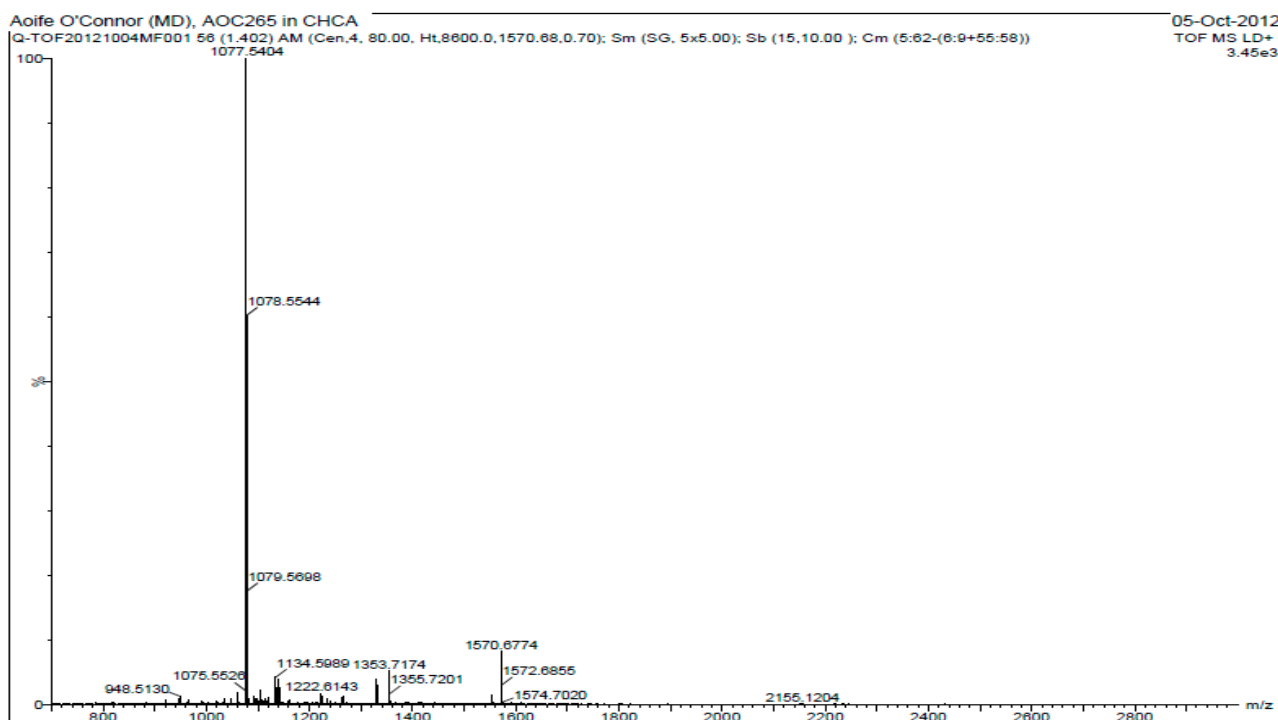
(a)



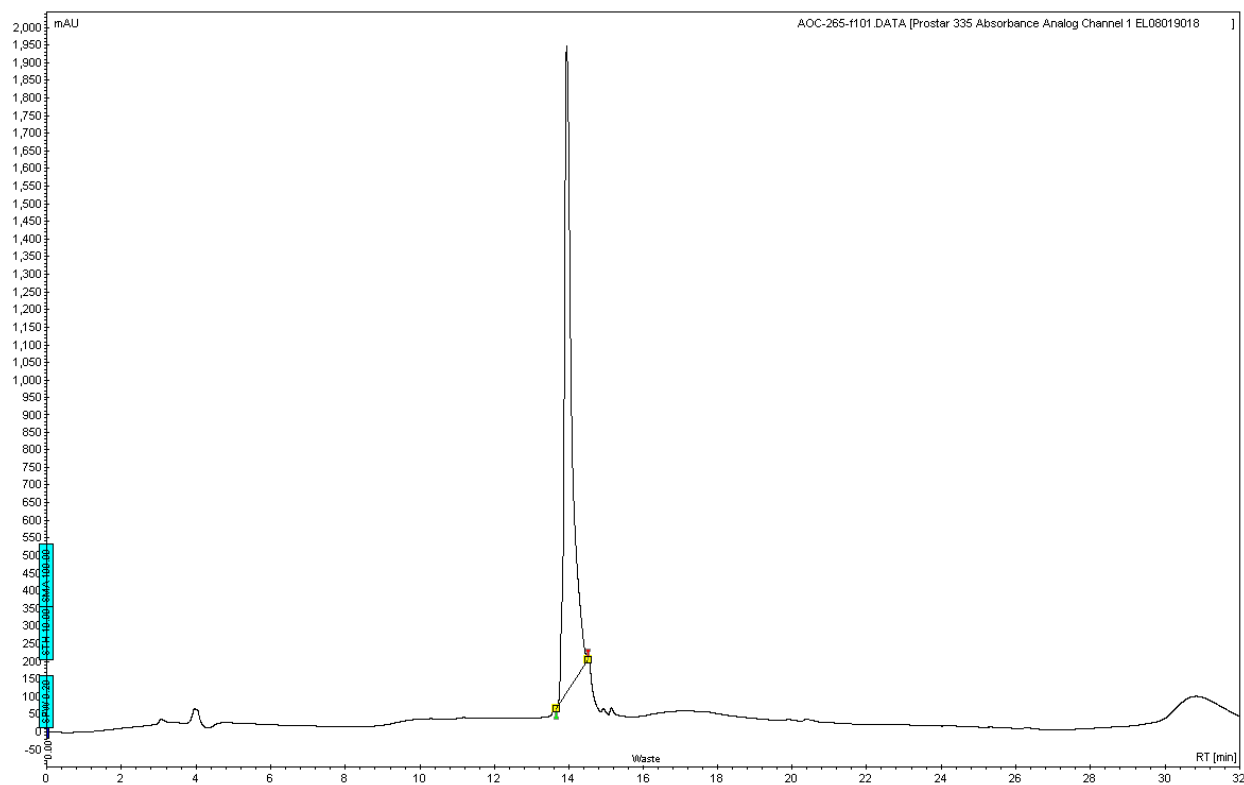
(b)

Figure S11. *Cont.*

(c)

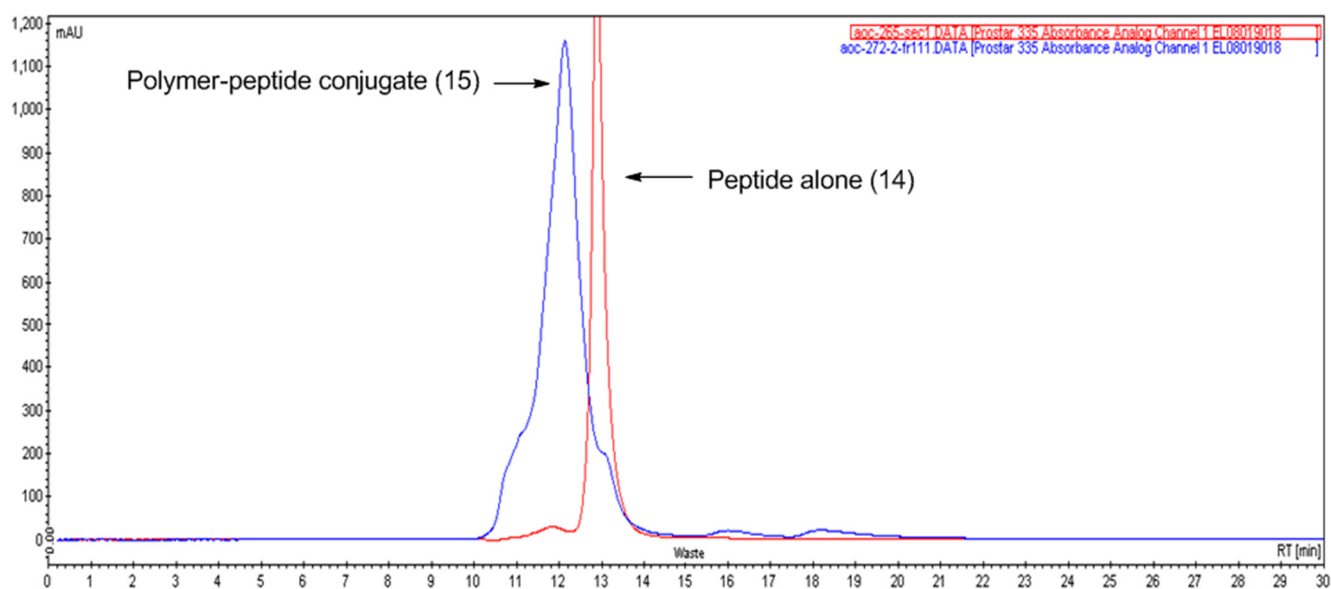
Figure S12. Ac-GWYRGRLE-NH₂ (14): (a) MALDI-TOF MS; (b) RP-HPLC.

(a)

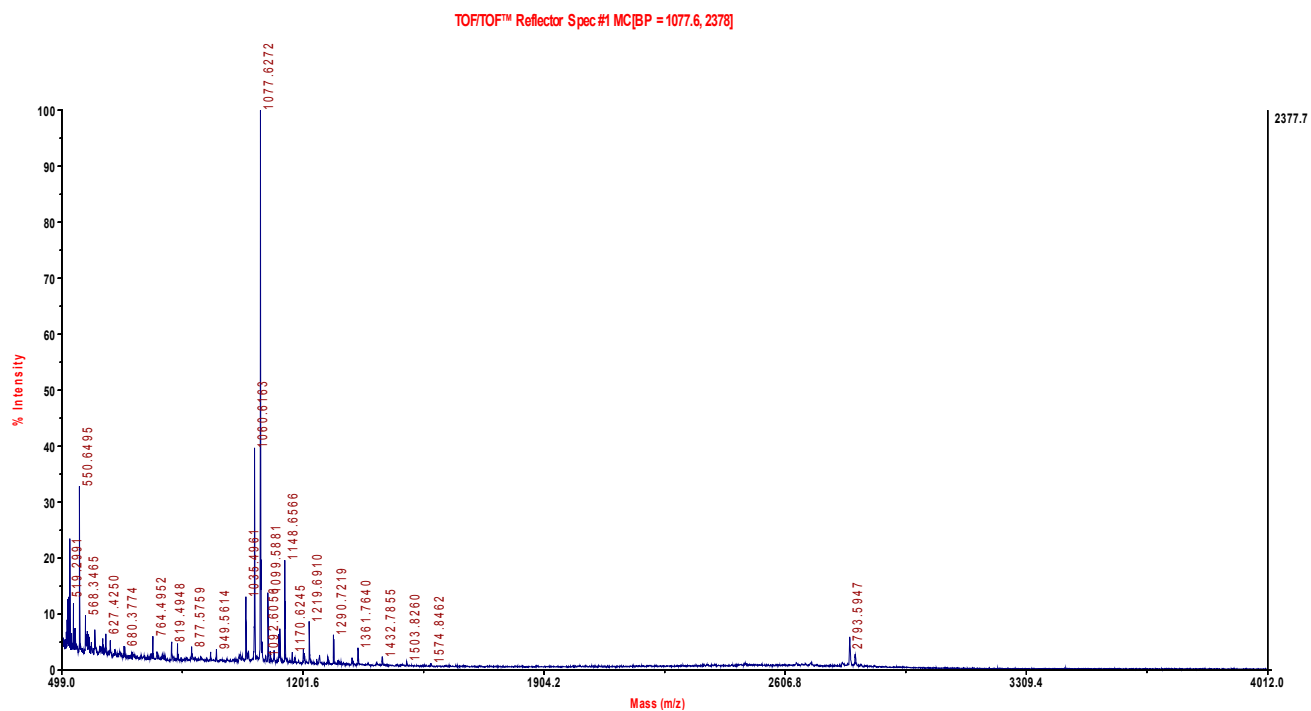
Figure S12. *Cont.*

(b)

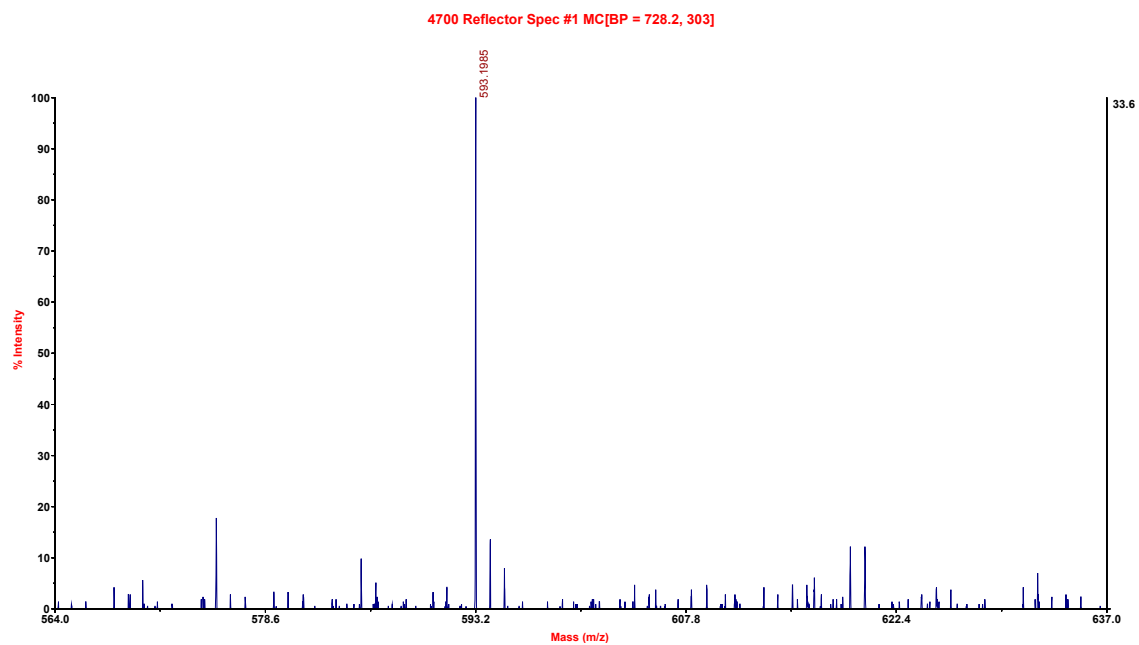
Figure S13. (15) Coupling of poly(glycidyl amine) (13) to peptide (14): (a) SEC-HPLC (15) (broad peak), compared with (4) (narrow peak); (b) MALDI-TOF MS of (15).



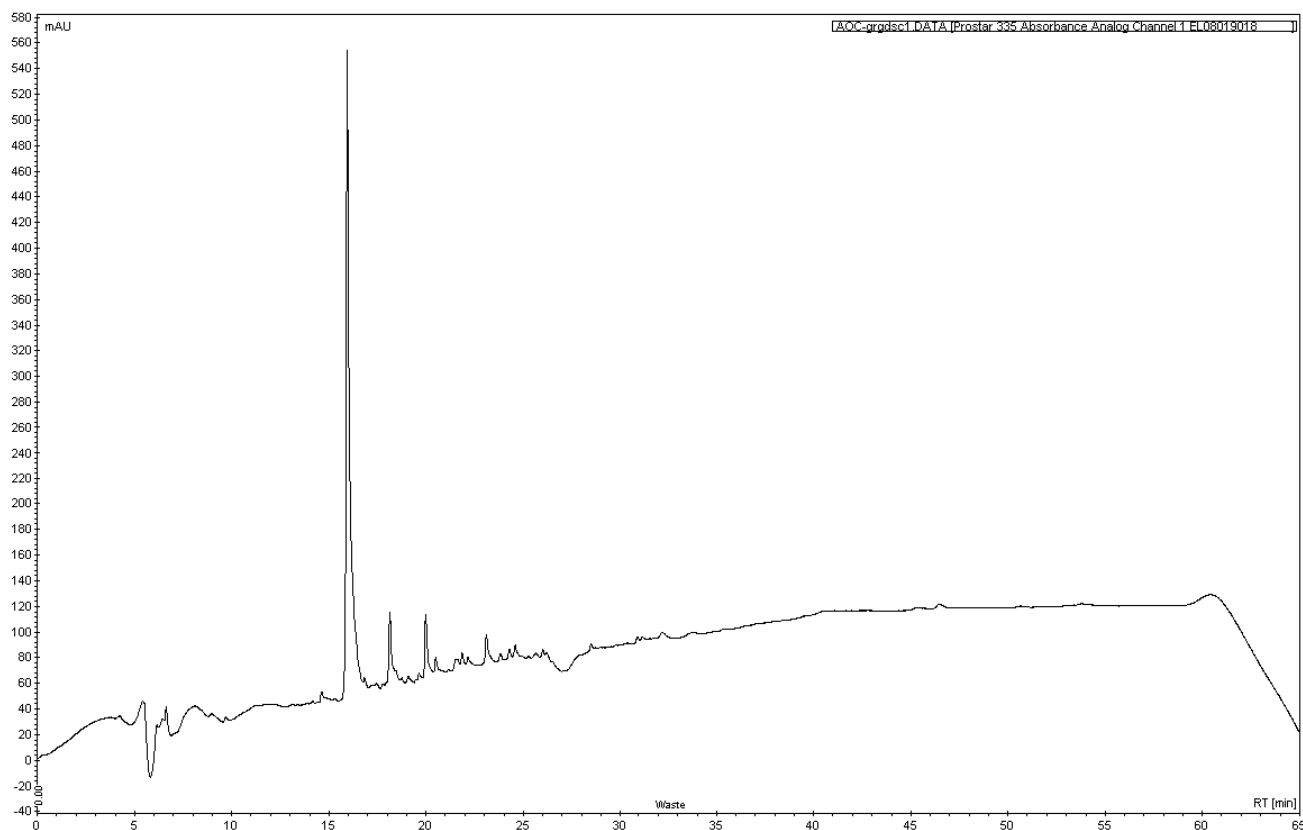
(a)

Figure S13. *Cont.*

(b)

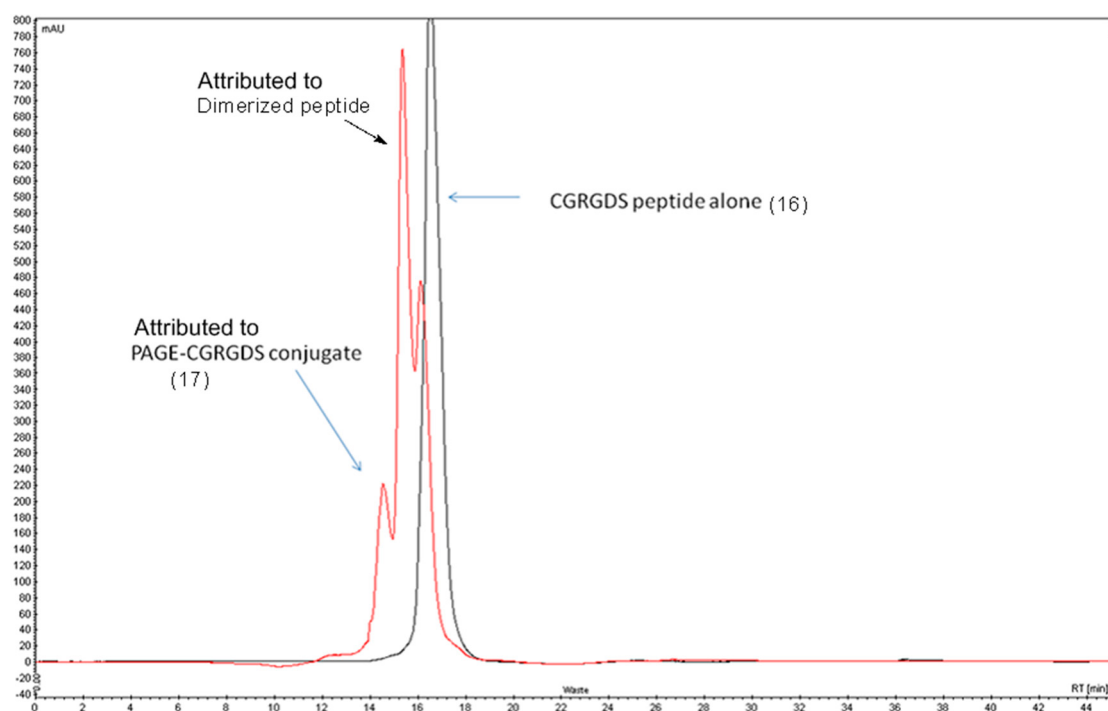
Figure S14. H-CGRGDS-NH₂ (16): (a) MALDI-TOF MS; (b) RP-HPLC.

(a)

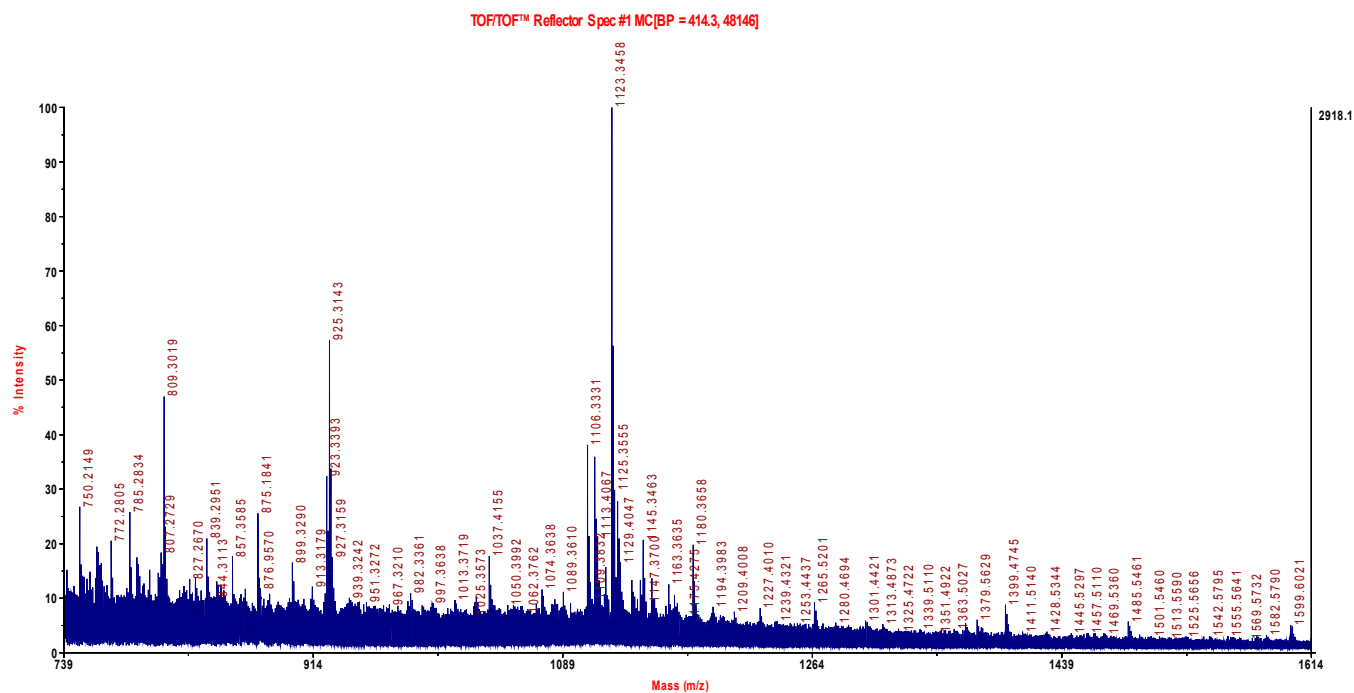
Figure S14. *Cont.*

(b)

Figure S15. (17) Conjugation of H-CGRGDS-NH₂ (**16**) and poly(allyl glycidyl ether) (**1**): (a) SEC-HPLC of the free peptide (blue trace) and of the product of its conjugation to poly(allyl glycidyl ether) (red trace); (b) MALDI-TOF MS analysis of the conjugation product.



(a)

Figure S15. *Cont.*

(b)