

Synthesis and Characterization of Dendronized Gold Nanoparticles Bearing Charged Peripheral Groups with Antimicrobial Potential

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1. NMR and Mass Spectra for all Compounds

1.2. Compound 2

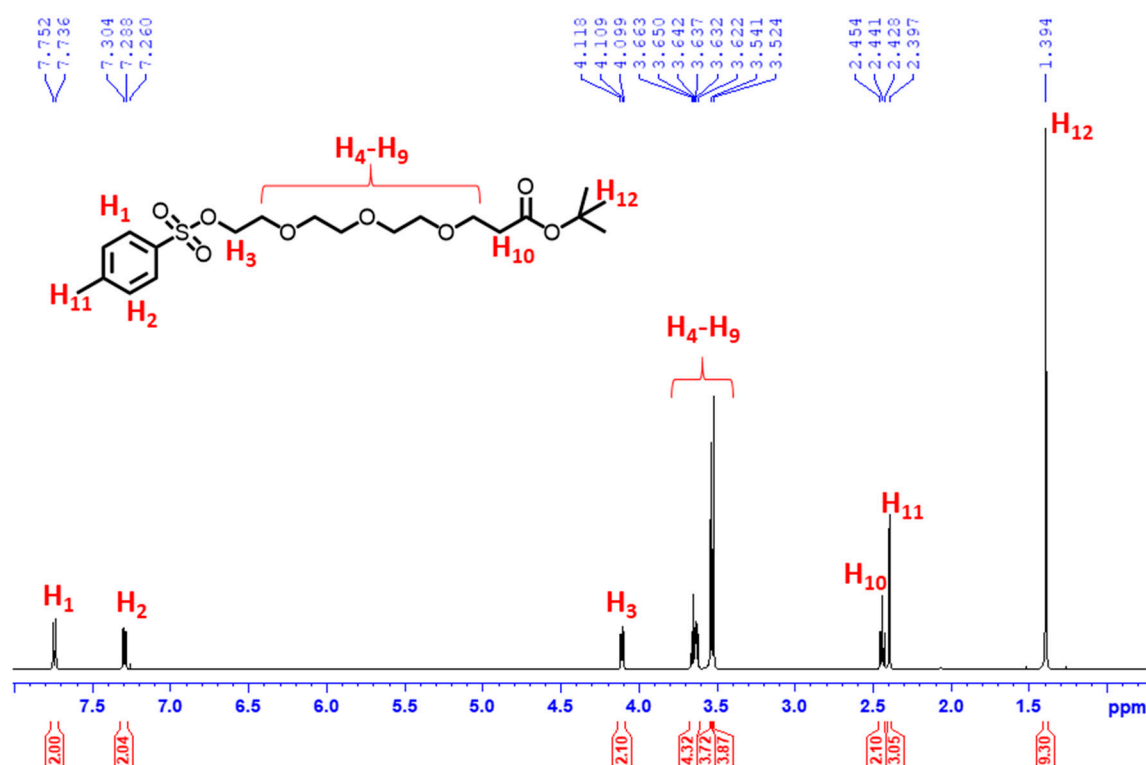


Figure S1. ¹H NMR spectrum of compound 2 (500 MHz, CDCl₃, 25 °C).

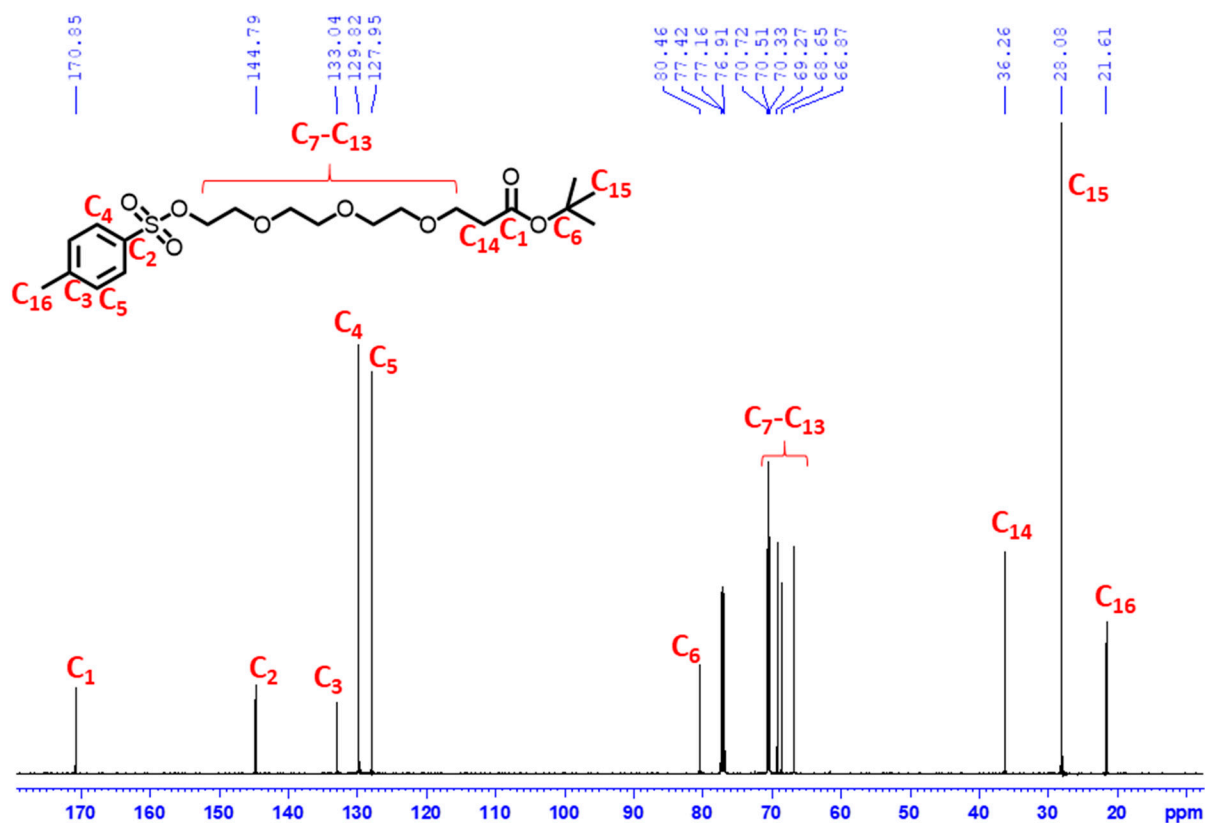


Figure S2. ^{13}C NMR spectrum of compound 2 (500 MHz, CDCl_3 , 25 $^\circ\text{C}$).

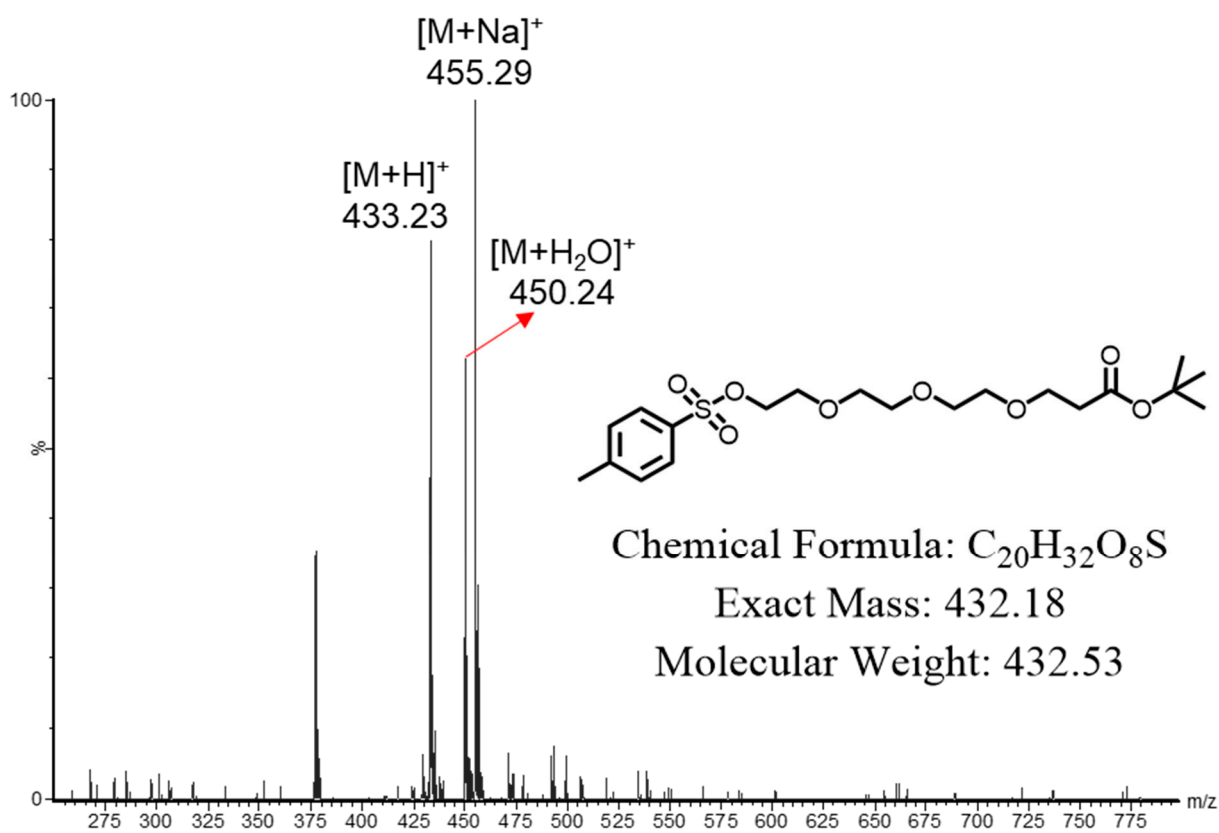


Figure S3. ESI-QTOF mass spectrum of compound 2.

1.3. Compound 3

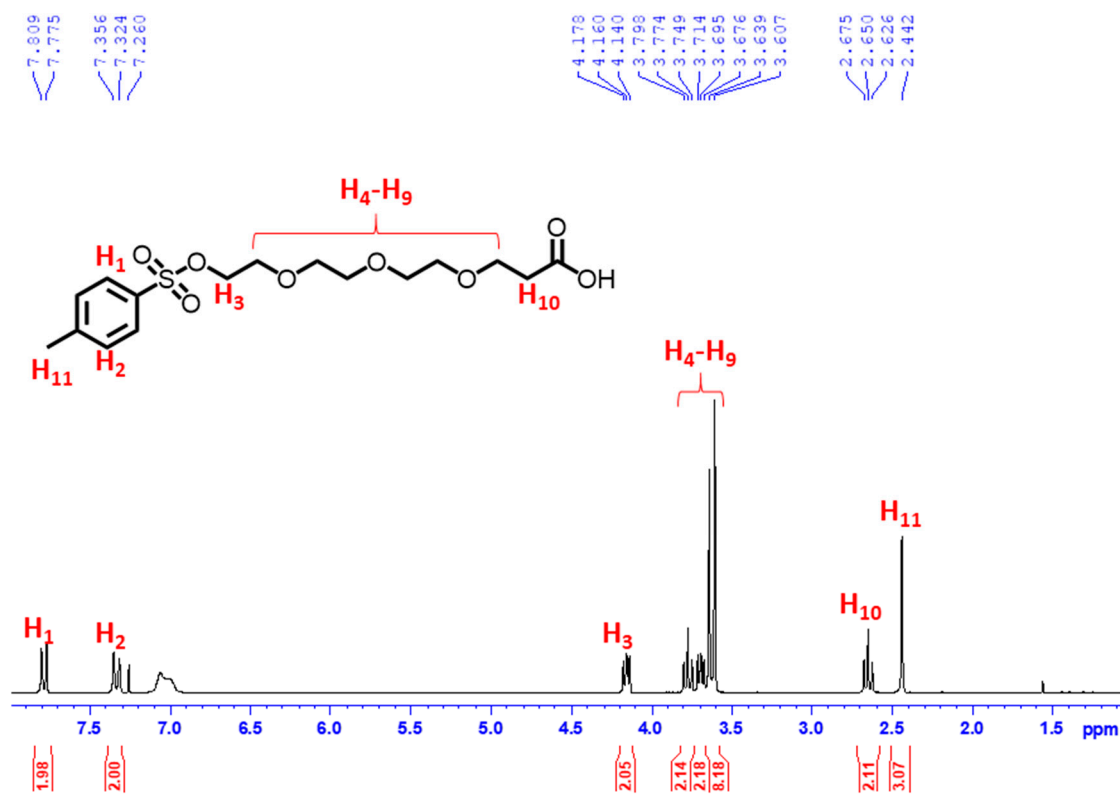


Figure S4. ¹H NMR spectrum of compound 3 (500 MHz, CDCl₃, 25 °C).

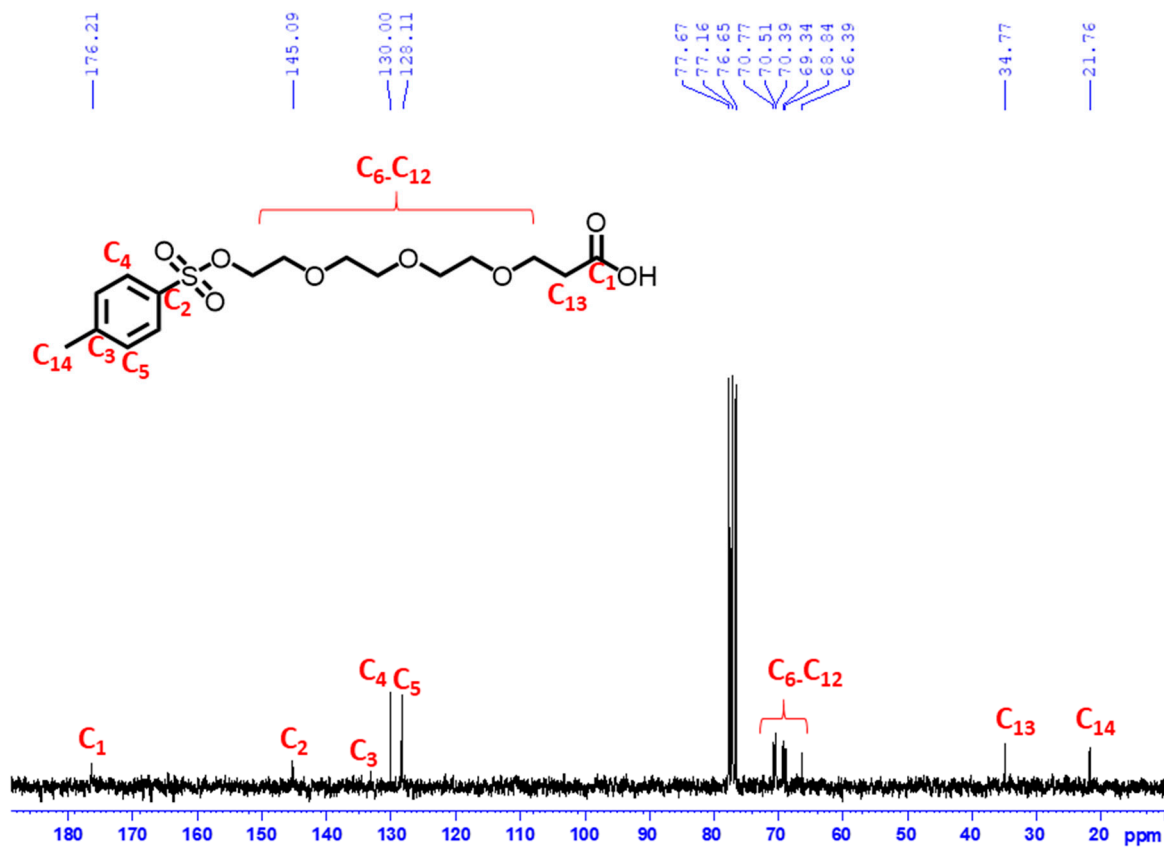


Figure S5. ¹³C NMR spectrum of compound 3 (500 MHz, CDCl₃, 25 °C).

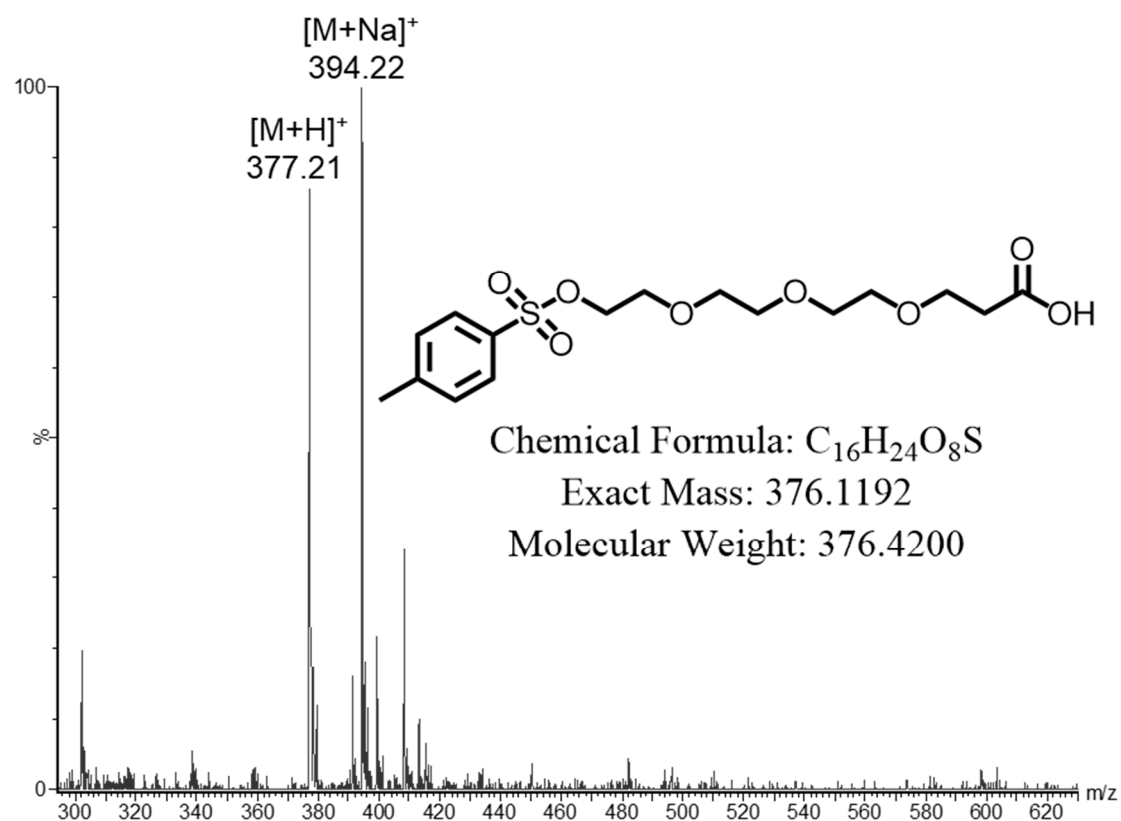


Figure S6. ESI-QTOF mass spectrum of compound **3**.

1.4. Compound **4**

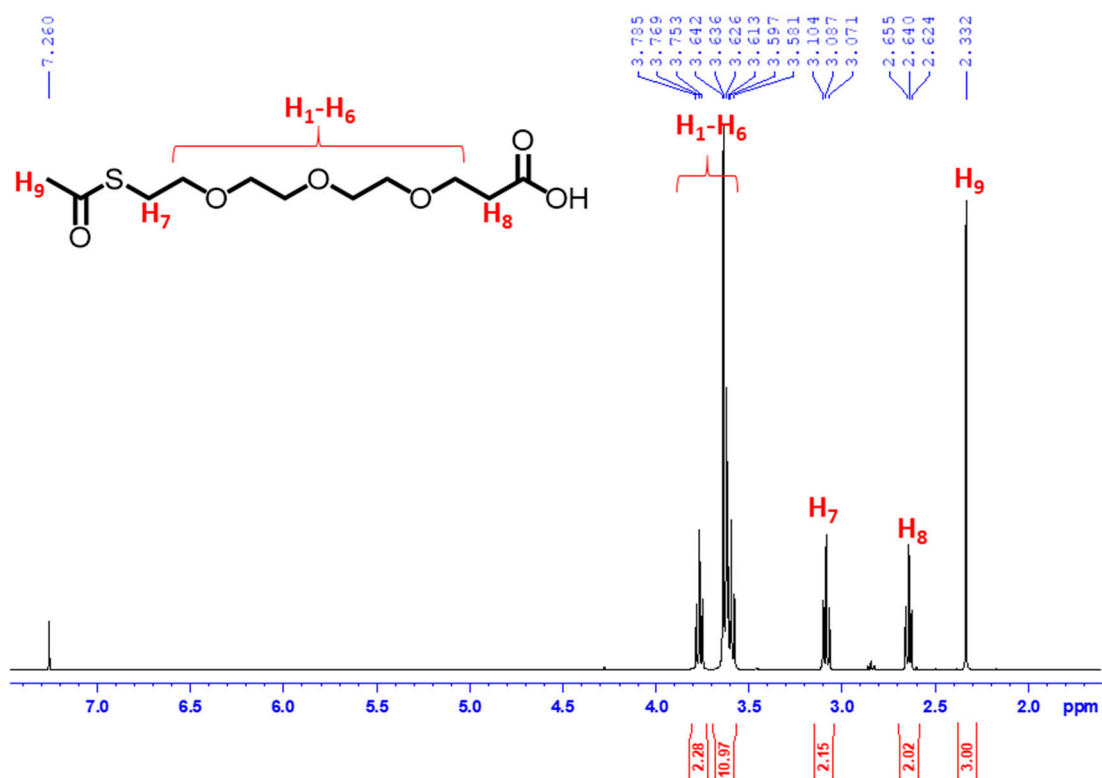


Figure S7. 1H NMR spectrum of compound **4** (500 MHz, $CDCl_3$, 25 $^{\circ}C$).

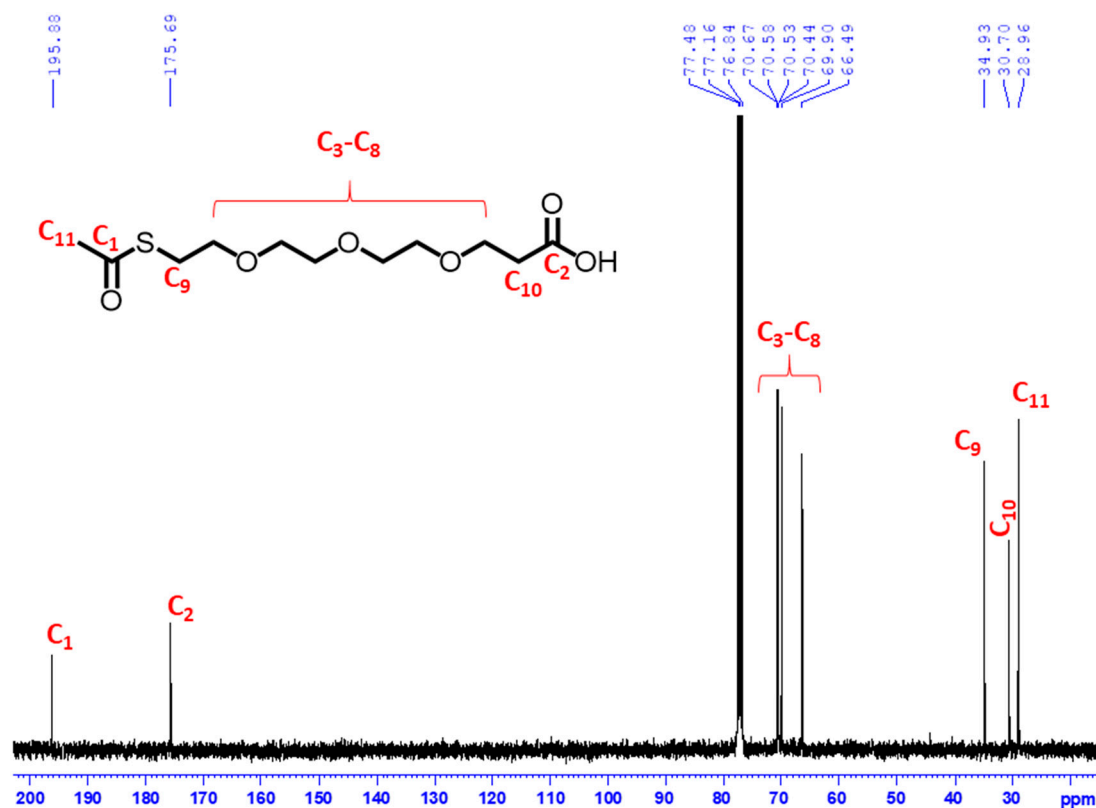


Figure S8. ¹³C NMR spectrum of compound **4** (500 MHz, CDCl₃, 25 °C).

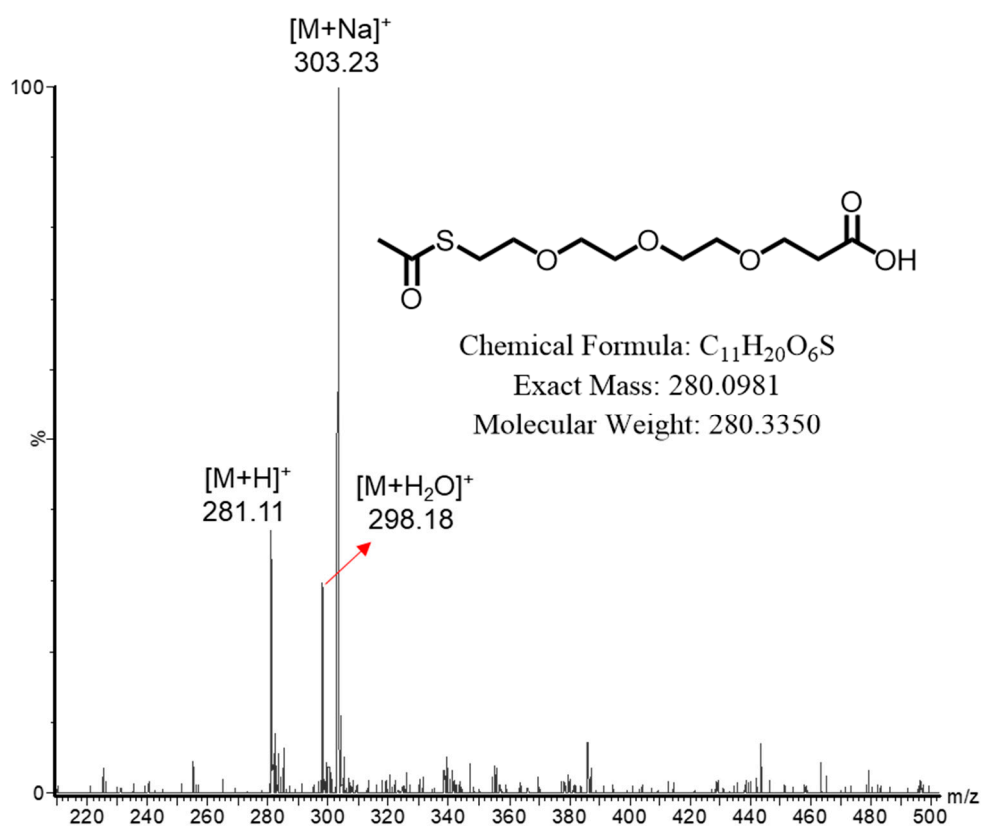


Figure S9. ESI-QTOF mass spectrum of compound **4**.

1.5. Compound 5

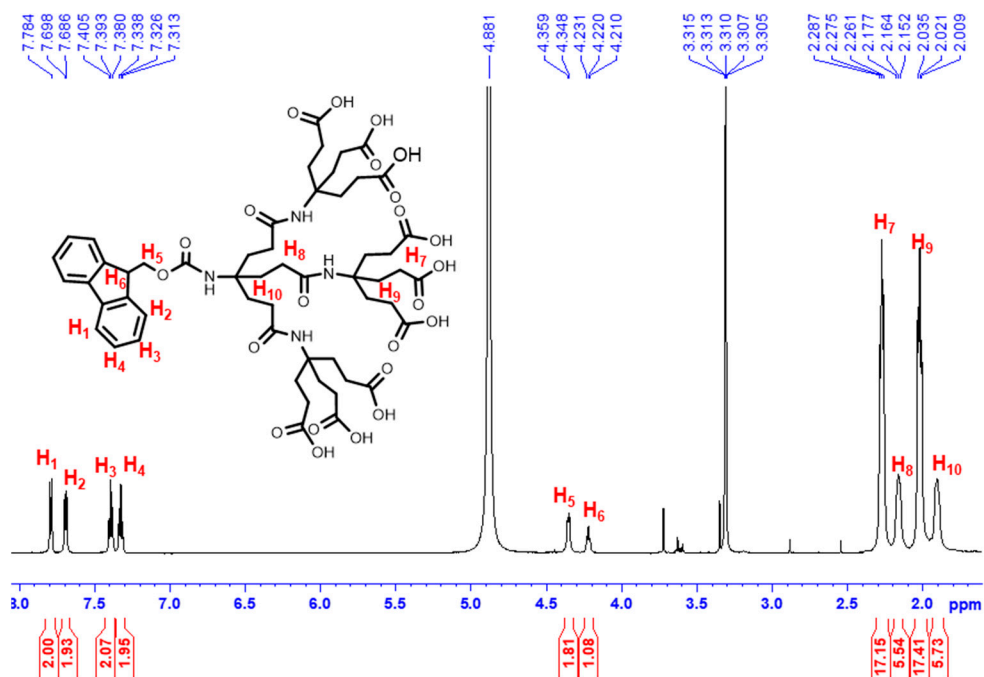


Figure S10. ¹H NMR spectrum of compound **5** (600 MHz, MeOD, 25 °C).

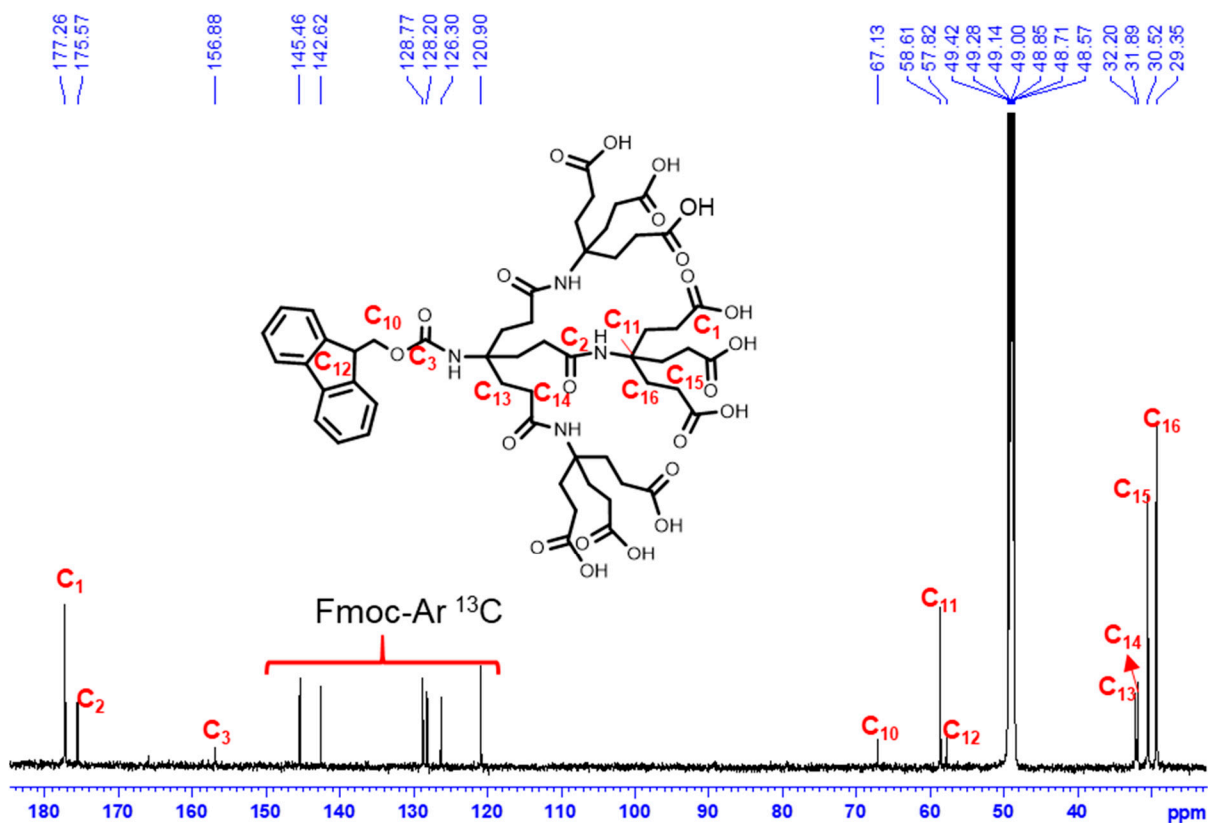


Figure S11. ¹³C NMR spectrum of compound **5** (600 MHz, MeOD, 25 °C).

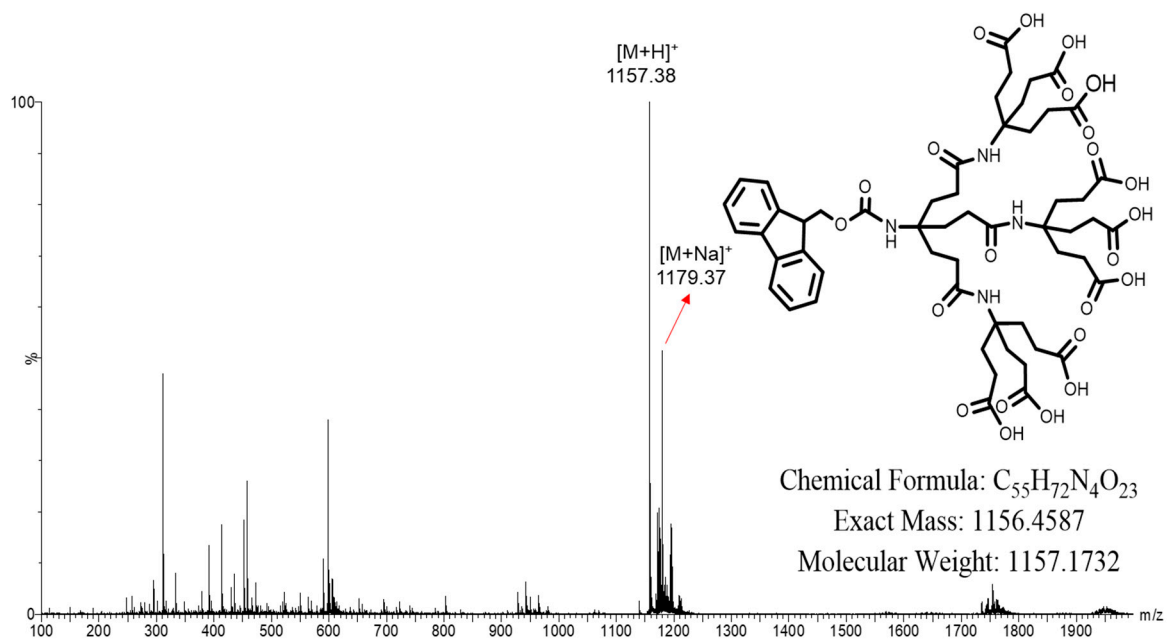


Figure S12. ESI-QTOF mass spectrum of compound **5**.

1.6. Compound 6

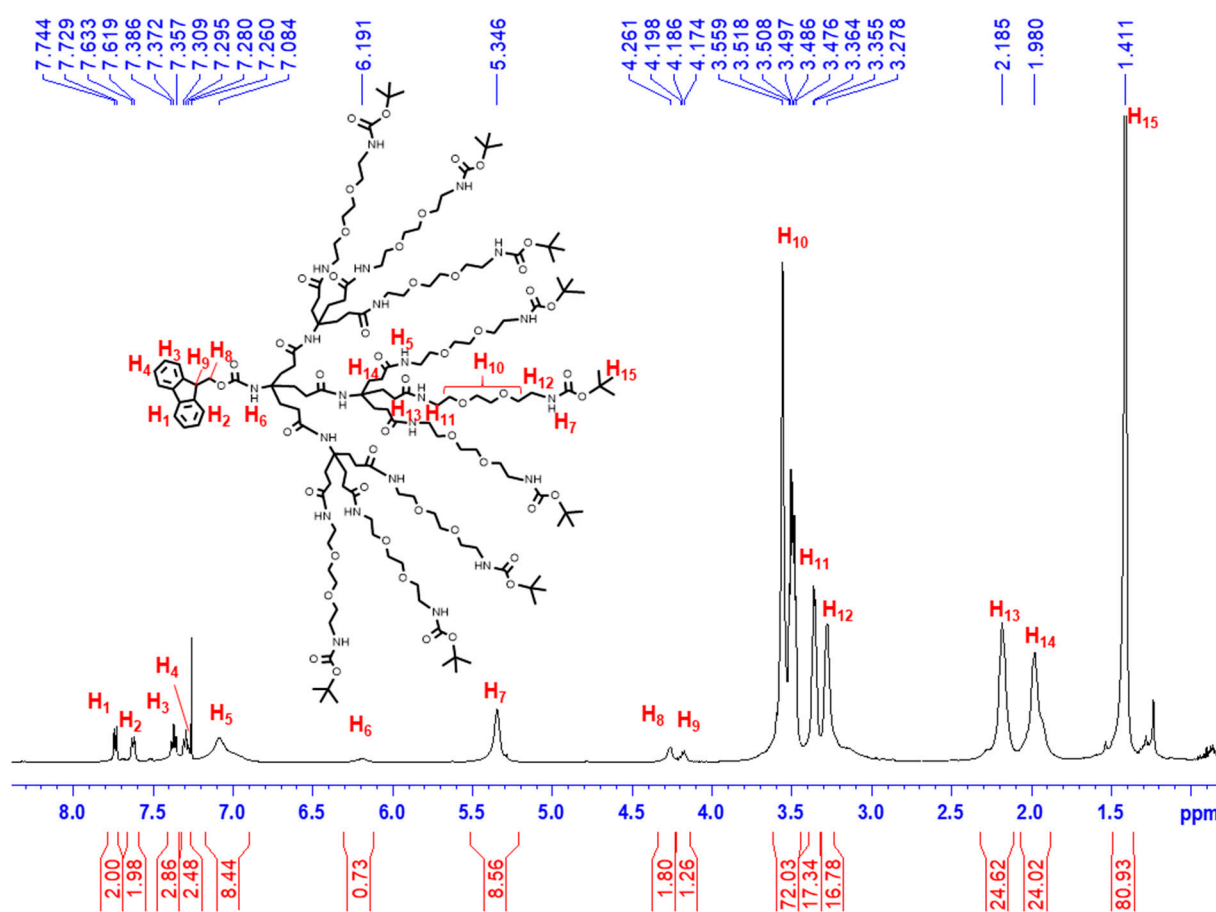


Figure S13. 1H NMR spectrum of compound **6** (600 MHz, $CDCl_3$, 25 $^{\circ}C$).

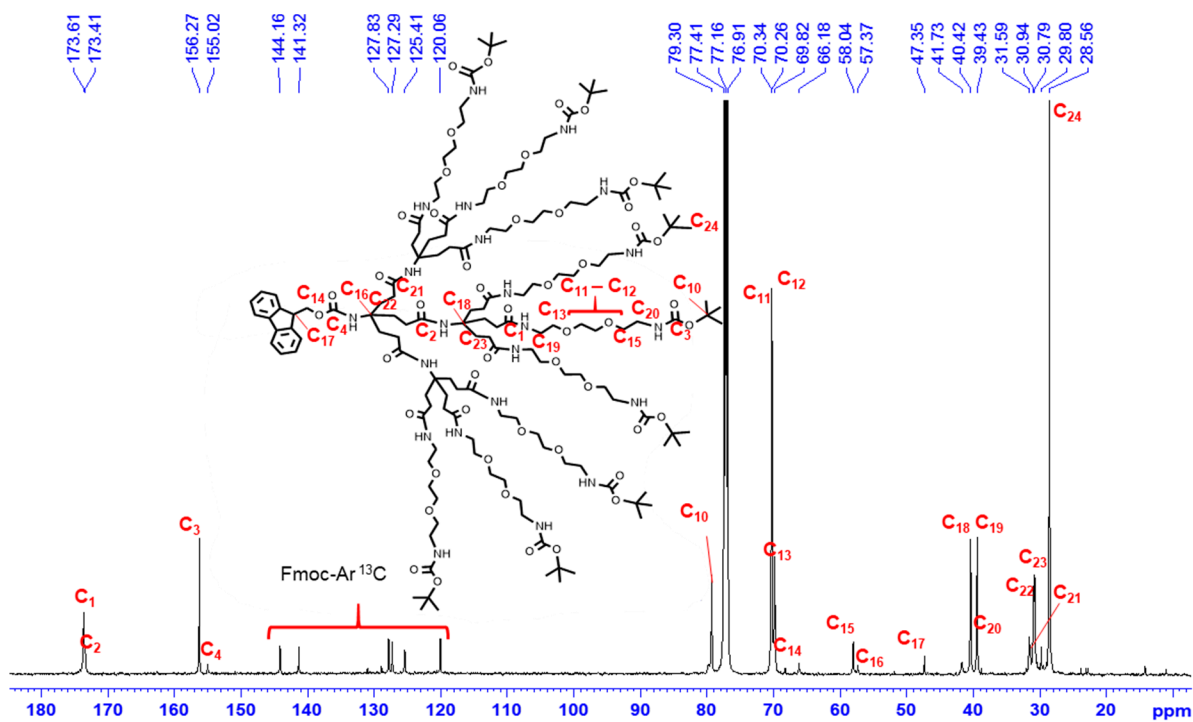


Figure S14. ^{13}C NMR spectrum of compound **6** (600 MHz, CDCl_3 , 25 $^\circ\text{C}$).

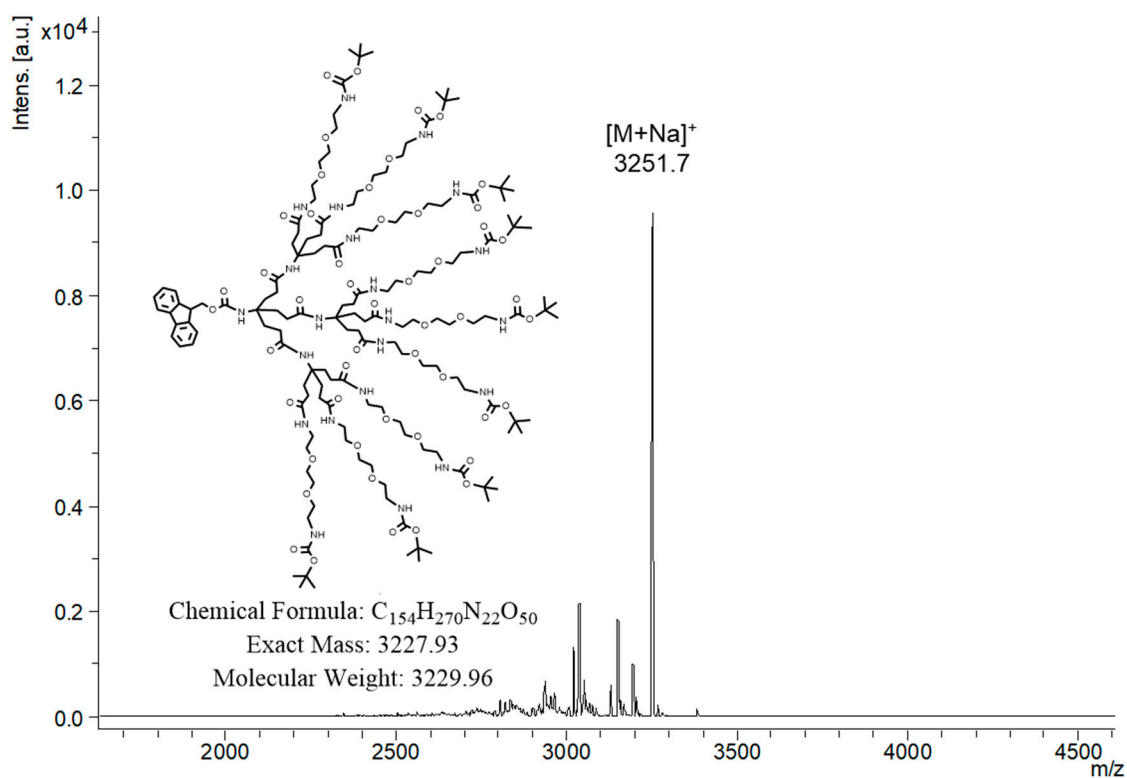


Figure S15. MALDI-TOF mass spectrum of compound **6**.

1.7. Compound 7

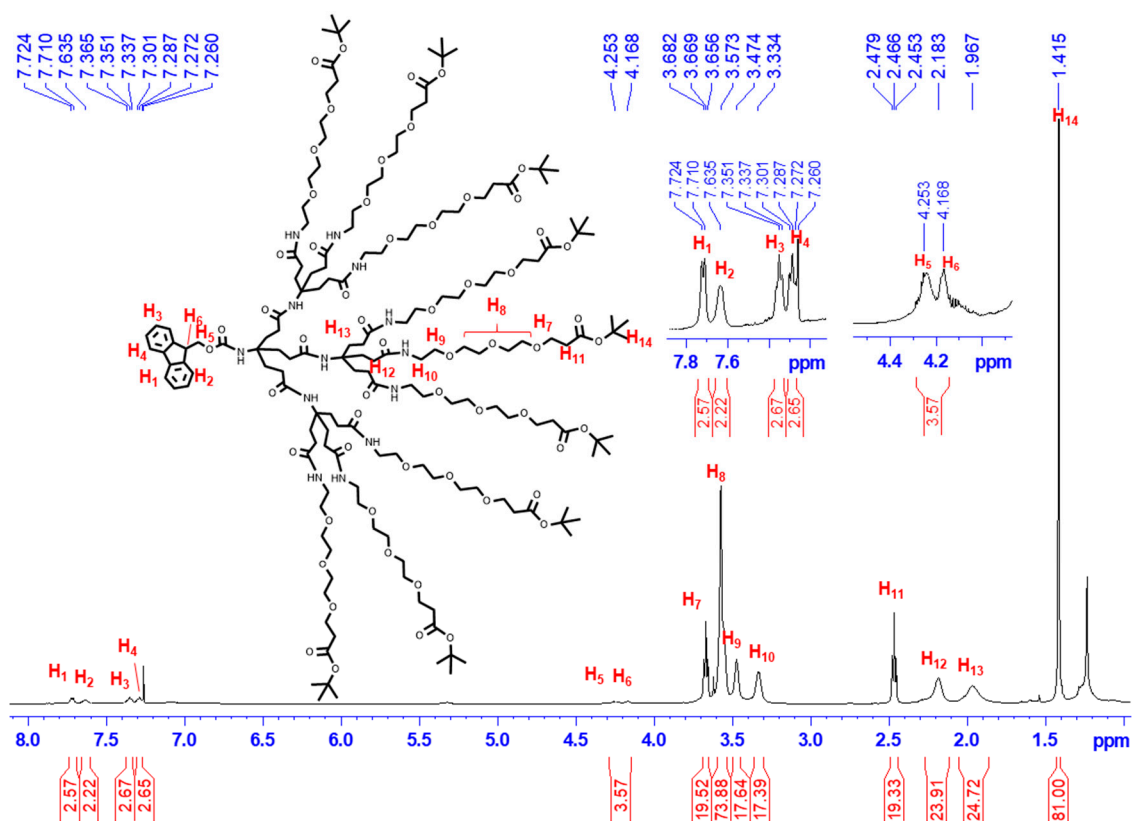


Figure S16. ¹H NMR spectrum of compound 7 (600 MHz, CDCl₃, 25 °C).

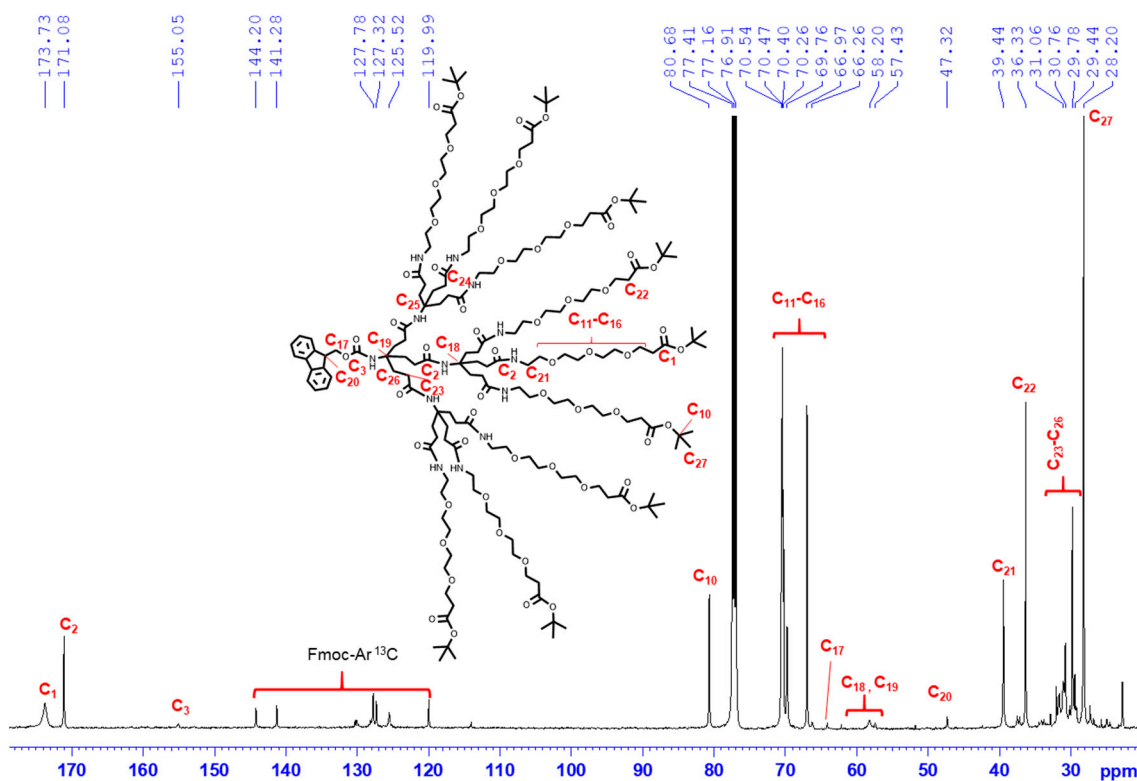


Figure S17. ¹³C NMR spectrum of compound 7 (600 MHz, CDCl₃, 25 °C).

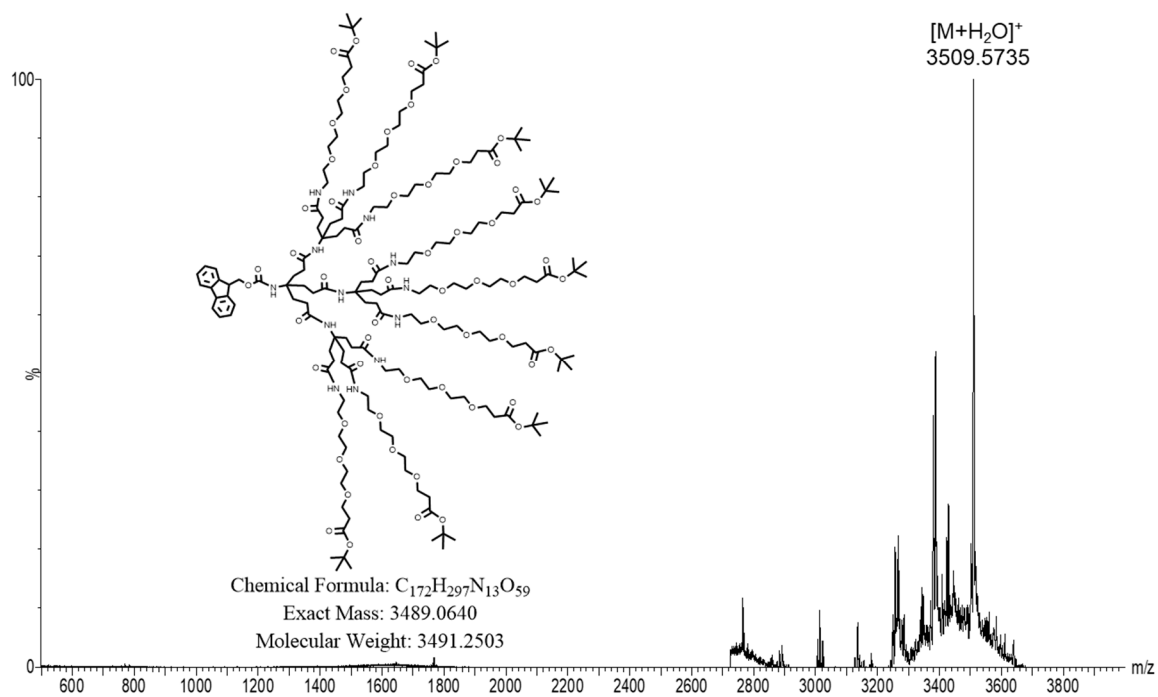


Figure S18. MALDI-TOF mass spectrum of compound 7.

1.8. Compound 8

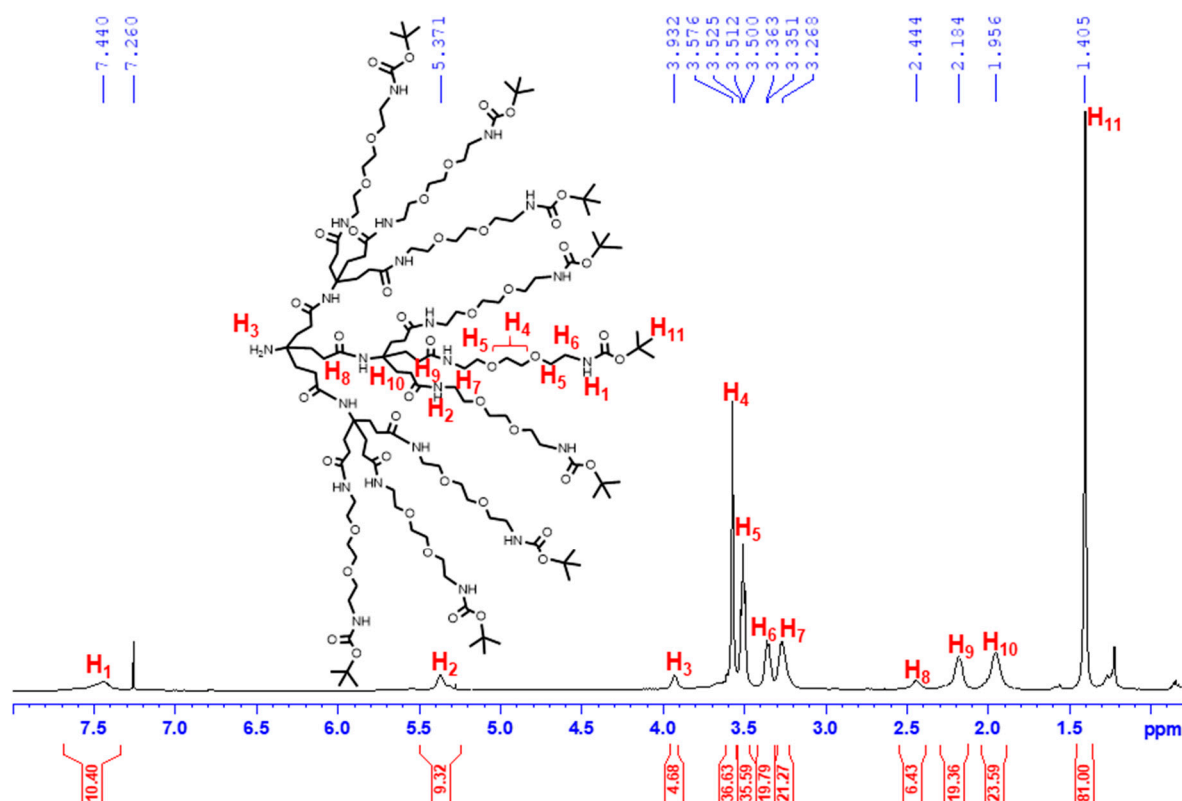


Figure S19. 1H NMR spectrum of compound 8 (600 MHz, $CDCl_3$, 25 $^{\circ}C$).

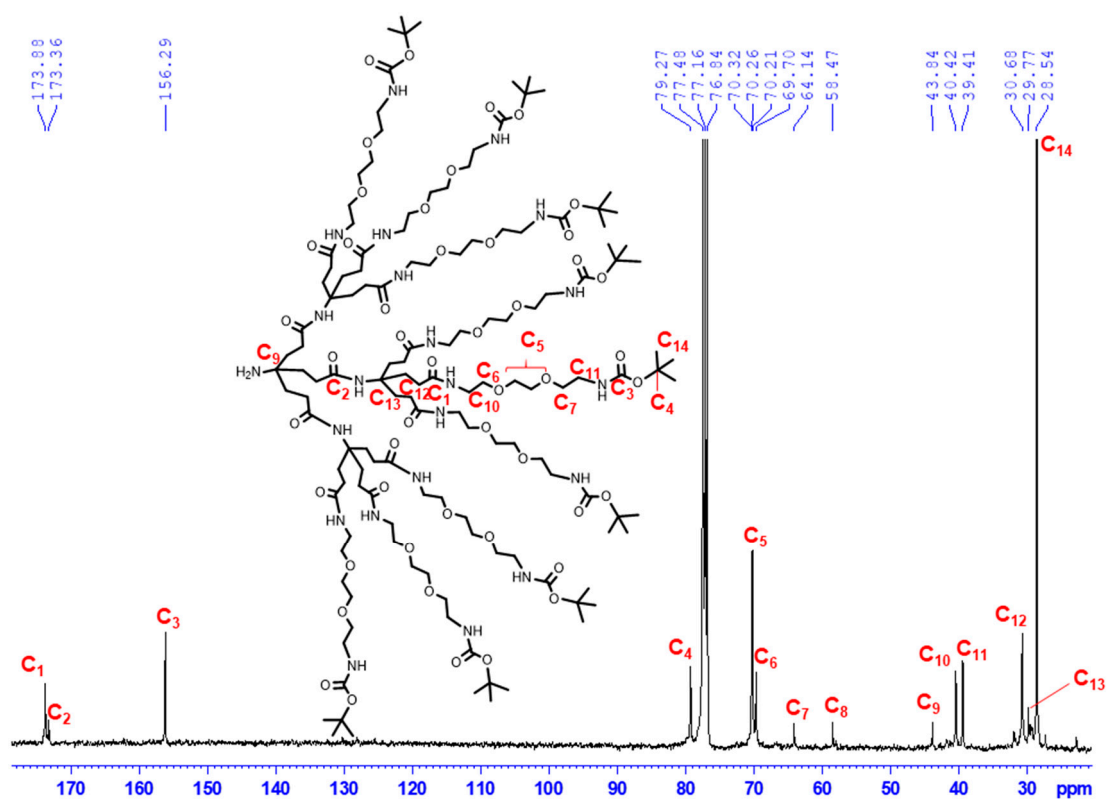


Figure S20. ^1H NMR spectrum of compound **8** (600 MHz, CDCl_3 , 25 $^\circ\text{C}$).

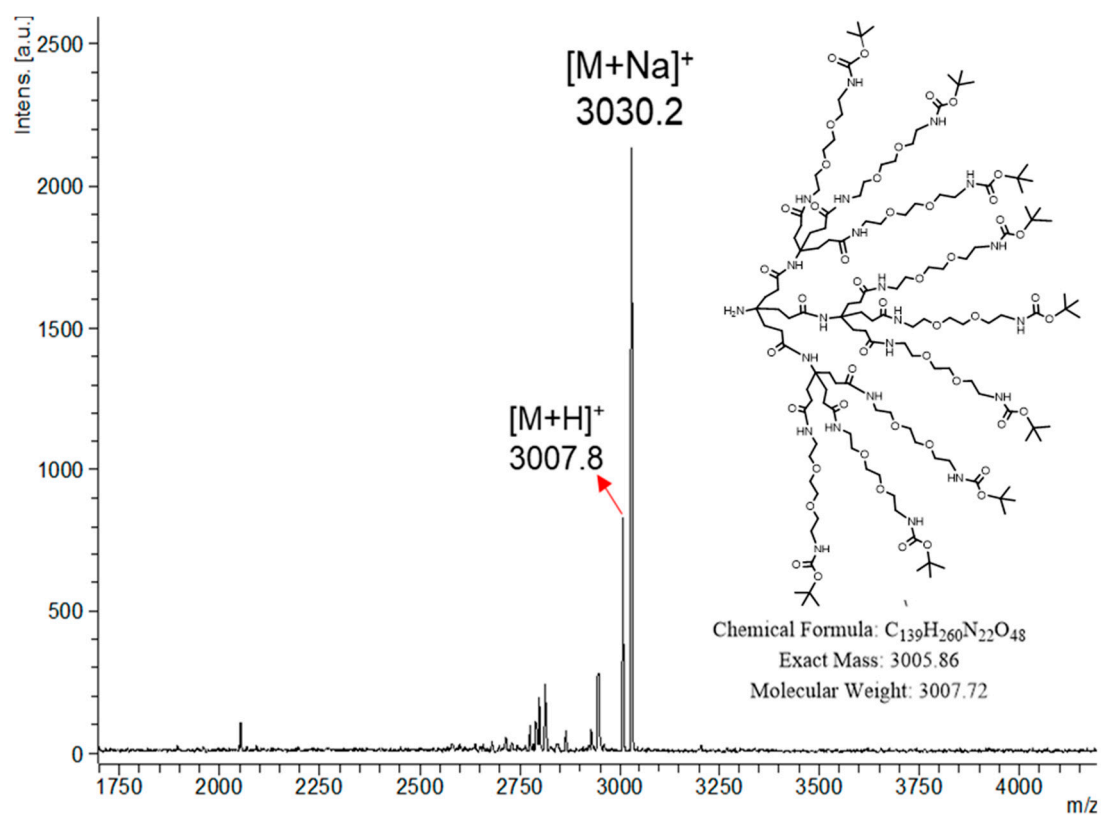


Figure S21. ESI-QTOF mass spectrum of compound **8**.

1.9. Compound 9

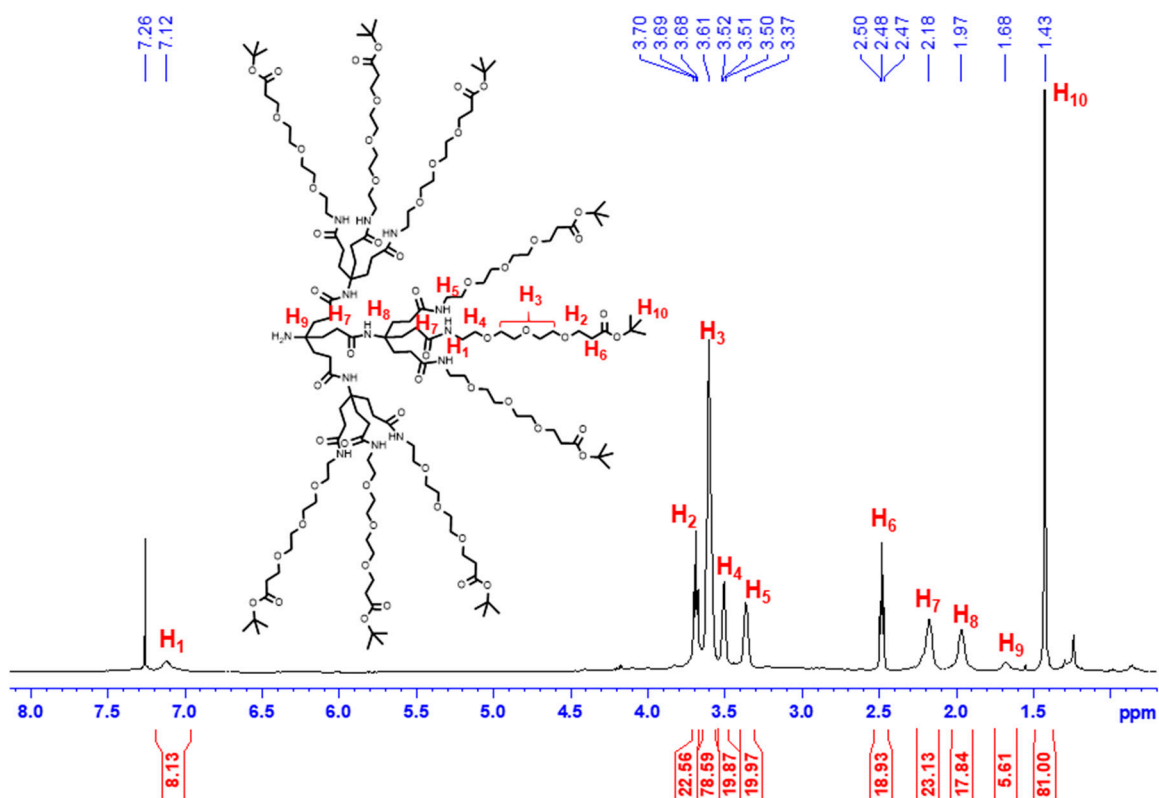


Figure S22. ¹H NMR spectrum of compound 9 (600 MHz, CDCl₃, 25 °C).

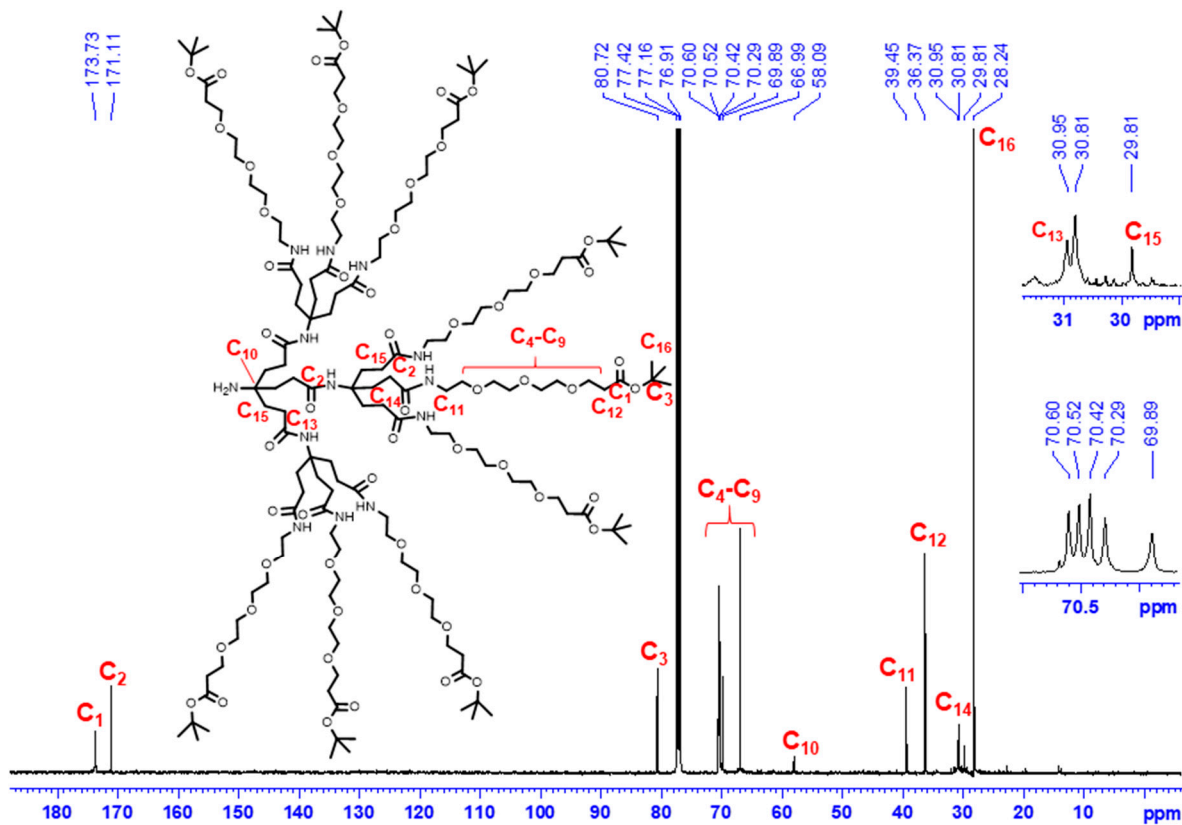


Figure S23. ¹³C NMR spectrum of compound 9 (600 MHz, CDCl₃, 25 °C).

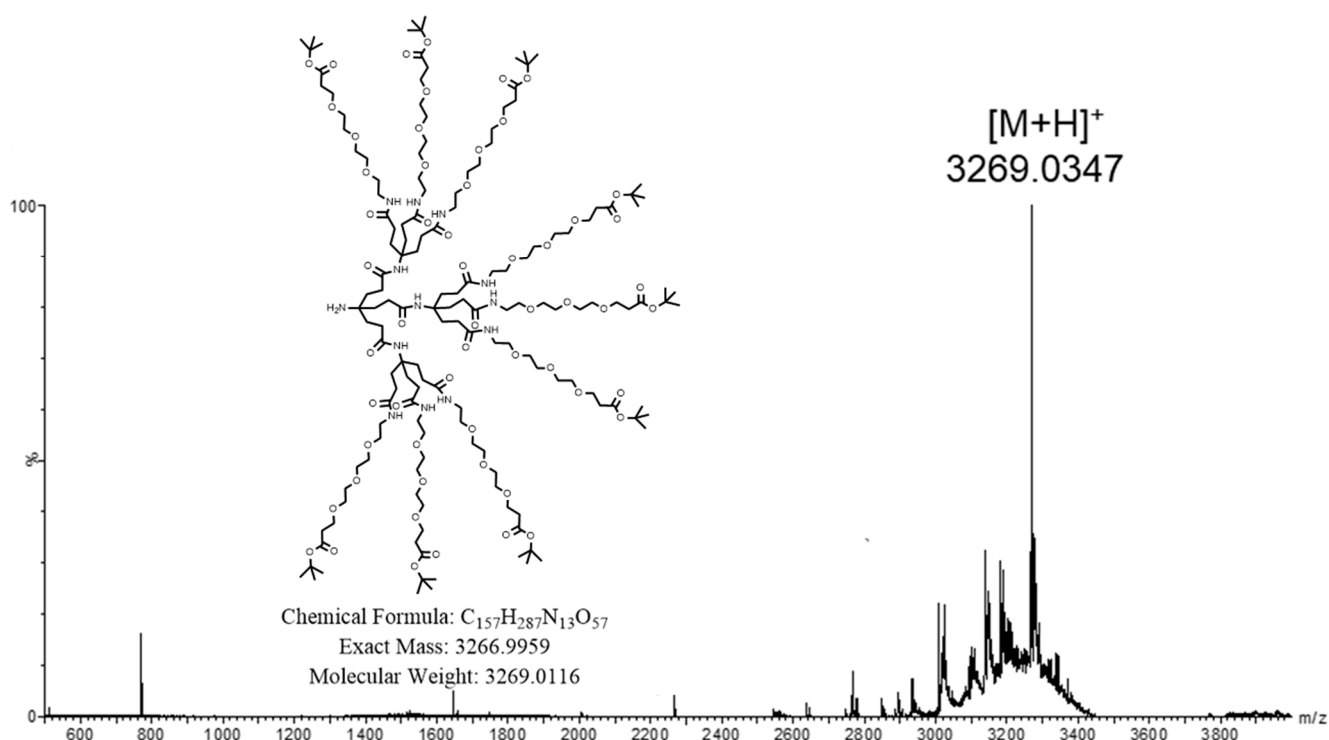


Figure S24. ESI-QTOF mass spectrum of compound **9**.

1.10. Compound 10

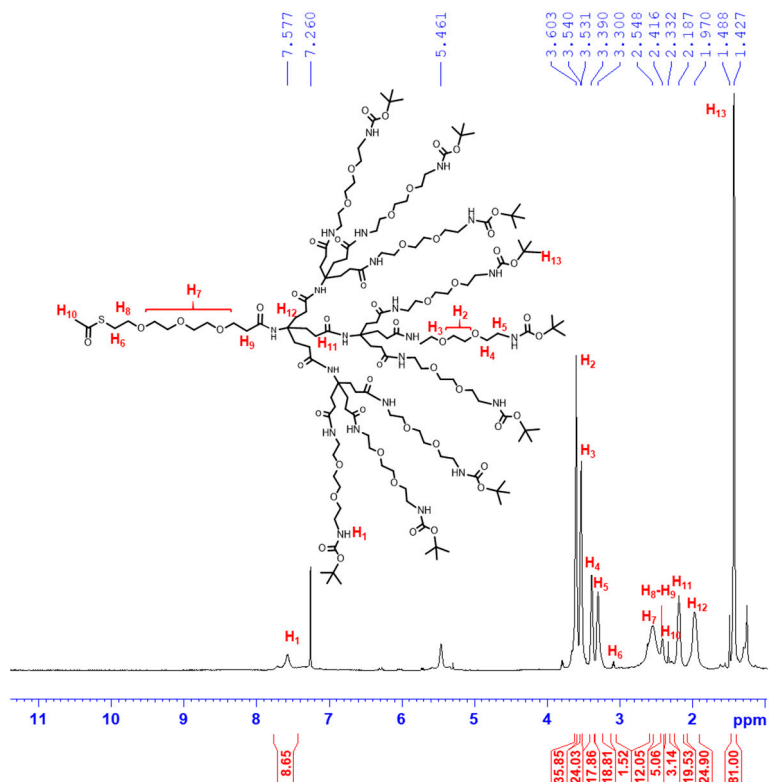


Figure S25. 1H NMR spectrum of compound **10** (600 MHz, $CDCl_3$, 25 $^{\circ}C$).

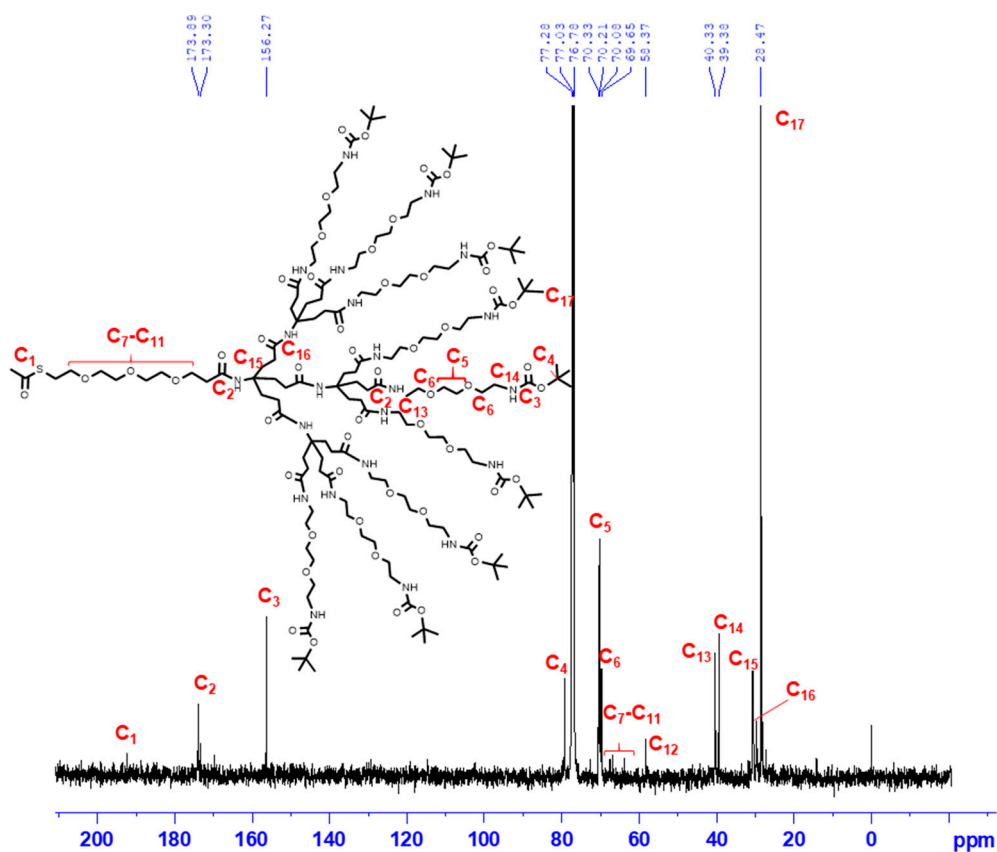


Figure S26. ^{13}C NMR spectrum of compound **10** (600 MHz, CDCl_3 , 25 $^\circ\text{C}$).

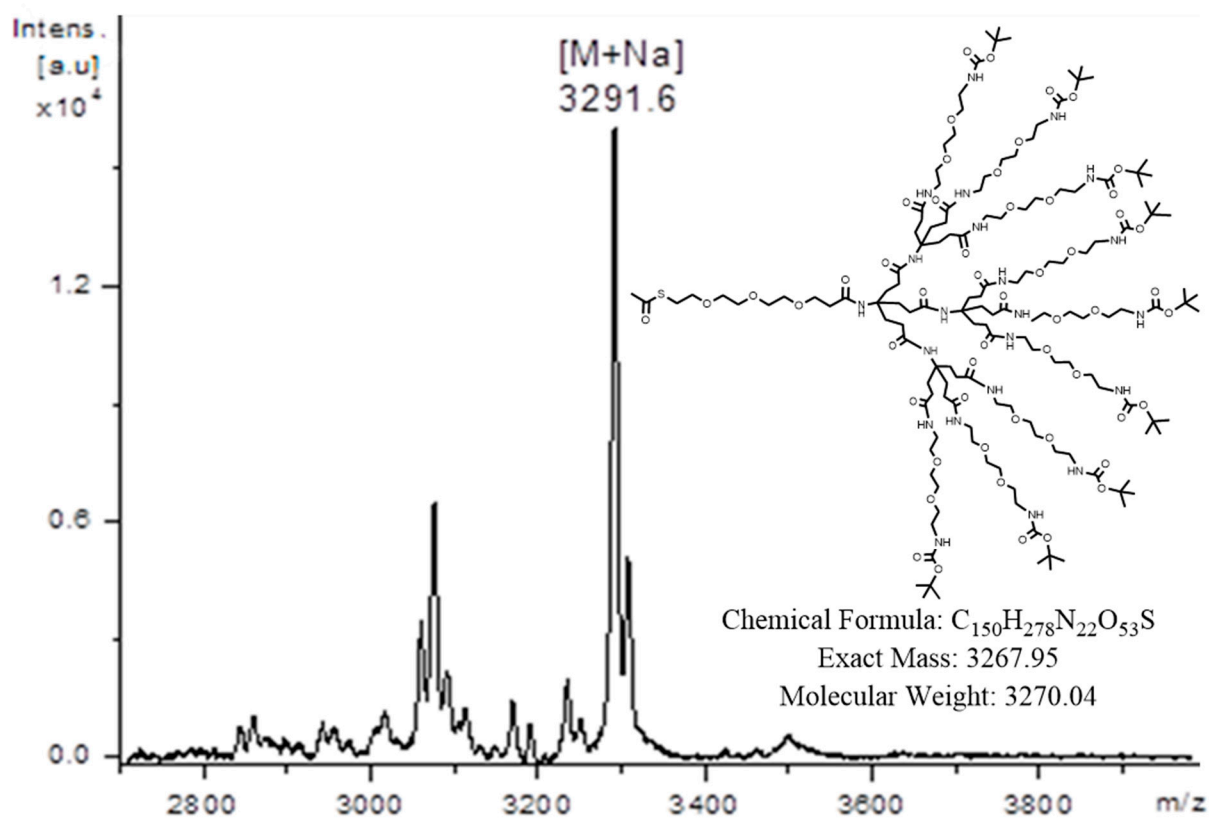


Figure S27. ESI-QTOF mass spectrum of compound **10**.

1.11. Compound 11

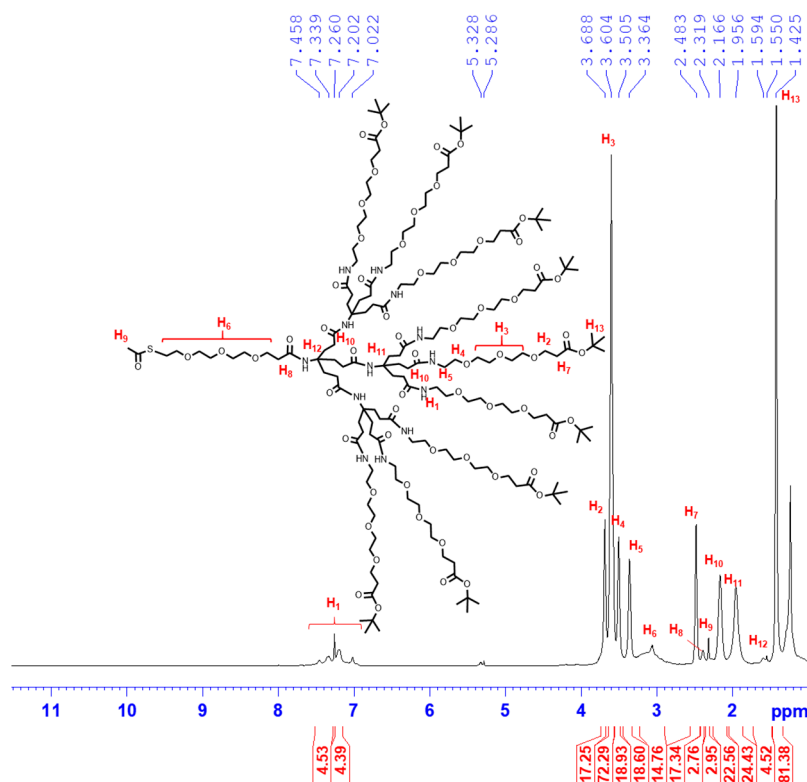


Figure S28. ¹H NMR spectrum of compound 11 (600 MHz, CDCl₃, 25 °C).

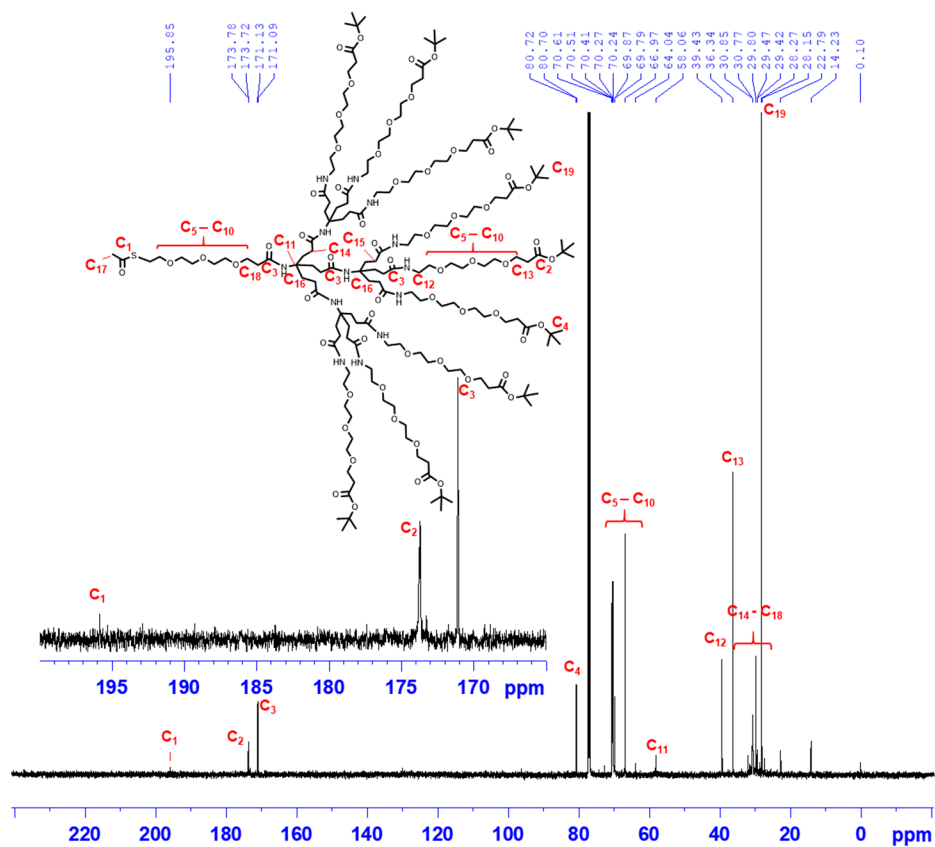


Figure S29. ¹³C NMR spectrum of compound 11 (600 MHz, CDCl₃, 25 °C).

1.12. Compound 12

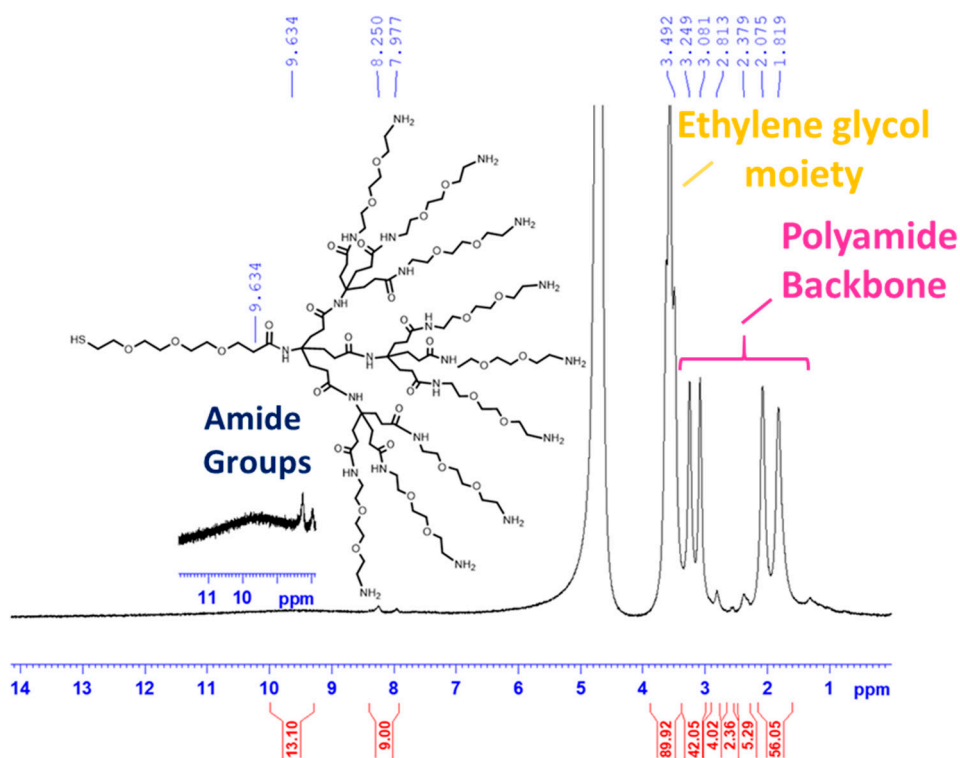


Figure S30. ¹H NMR spectrum of compound **12** (600 MHz, D₂O, 25 °C).

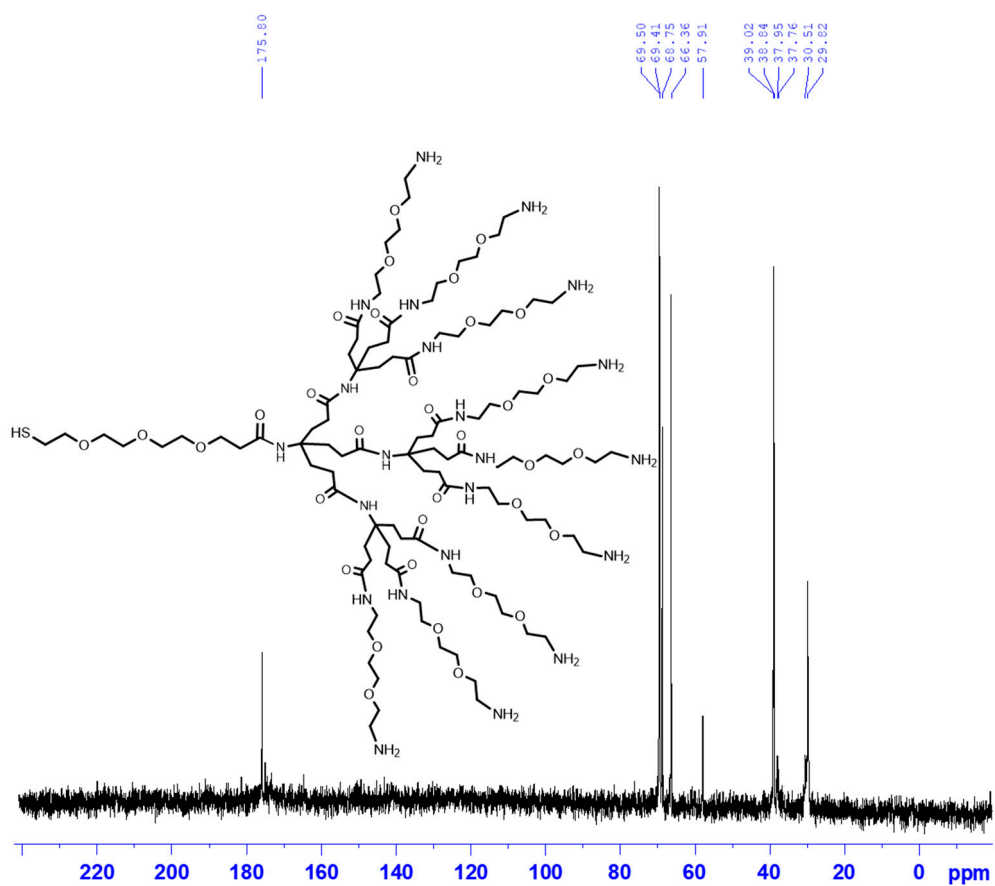


Figure S31. ¹³C NMR spectrum of compound **12** (600 MHz, D₂O, 25 °C).

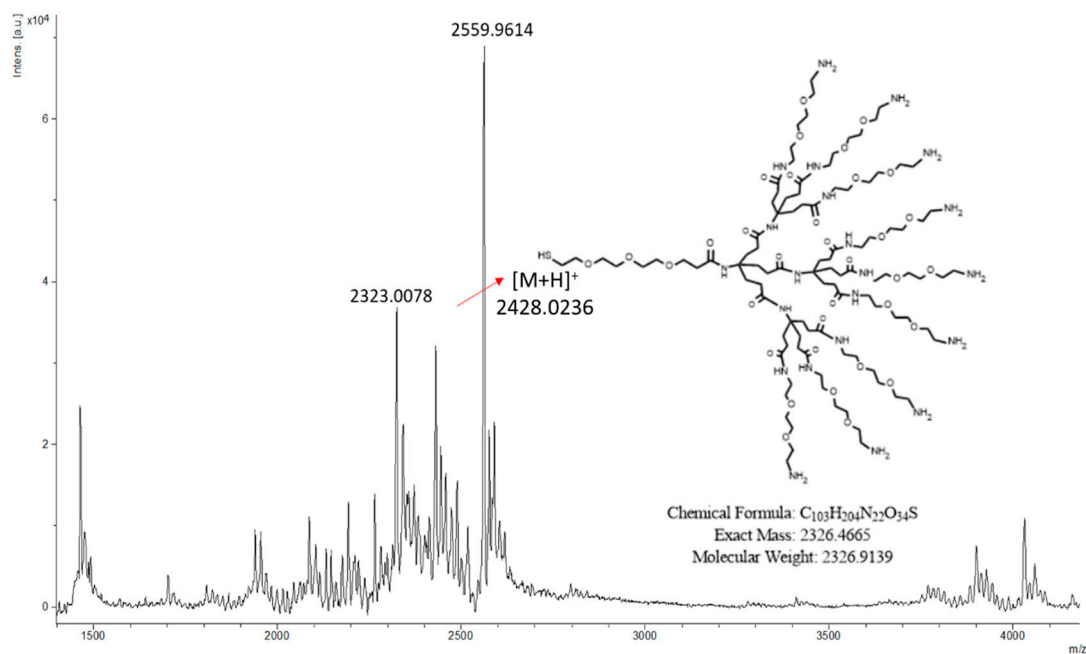


Figure S32. MALDI-TOF mass spectrum of compound **12**.

1.13. Compound 13

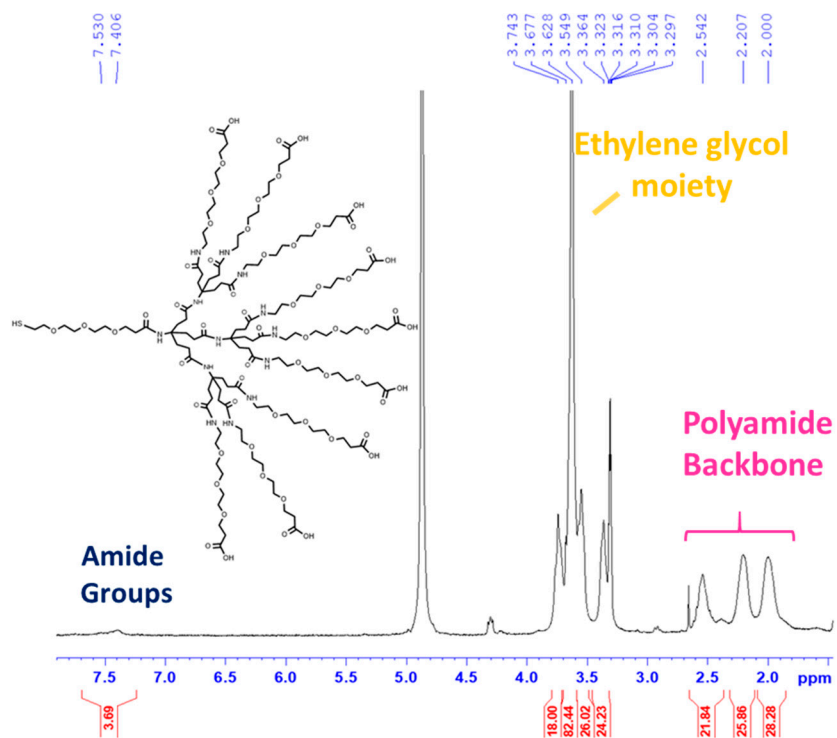


Figure S33. ^1H NMR spectrum of compound **13** (600 MHz, D_2O , 25 $^\circ\text{C}$).

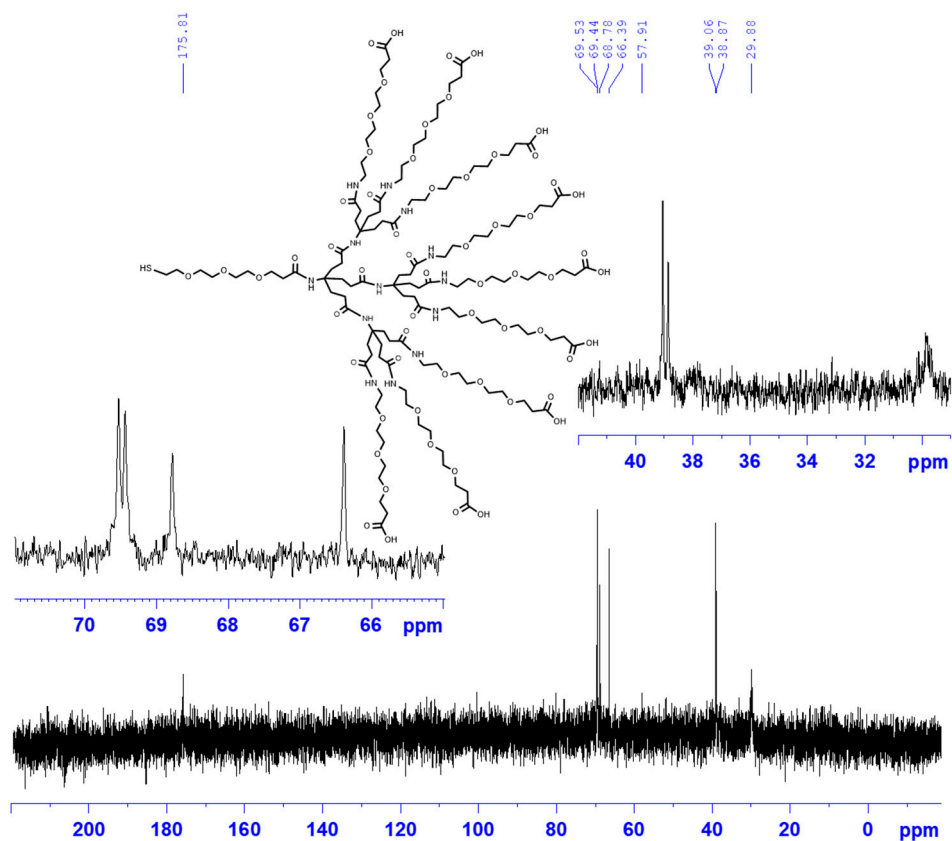


Figure S34. ¹³C NMR spectrum of compound **13** (600 MHz, D₂O, 25 °C).

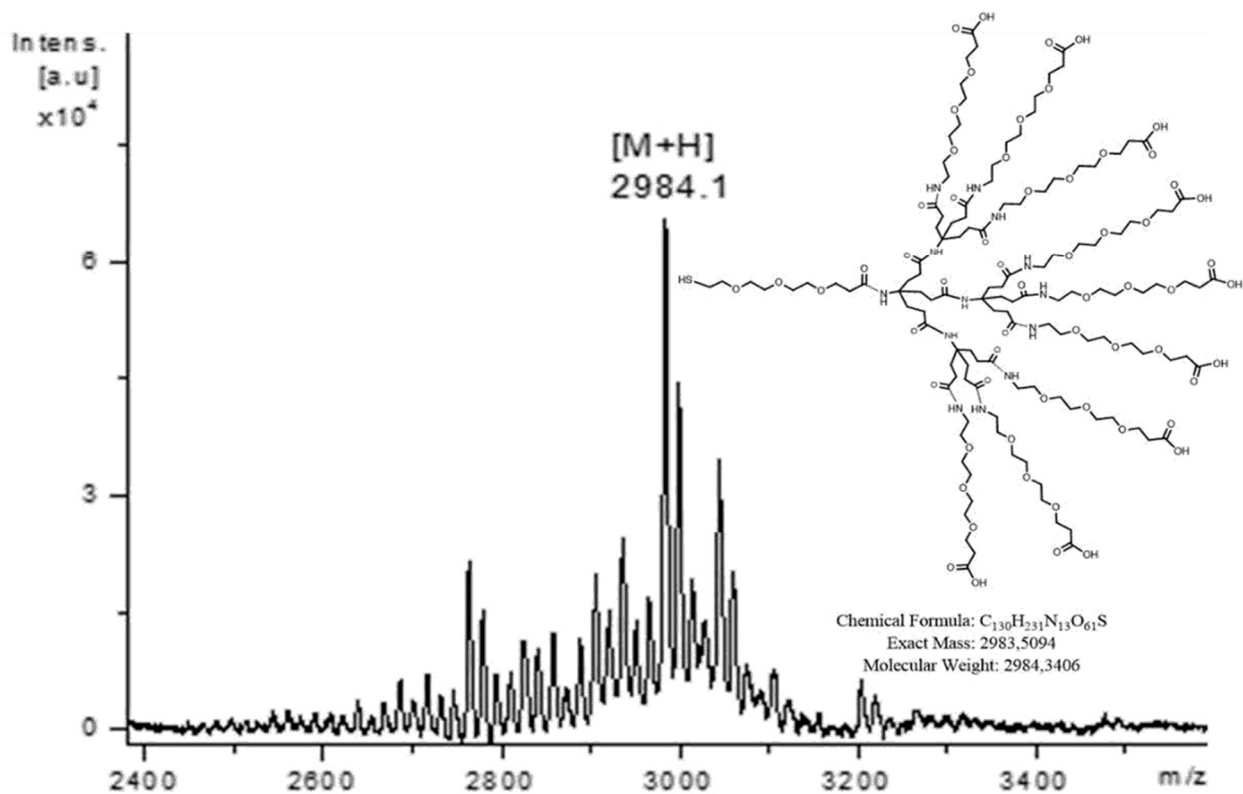


Figure S35. MALDI-TOF mass spectrum of compound **13** (600 MHz, D₂O, 25 °C).