

Supplementary Information

Control of Stimuli Sensitivity in pH-Switchable LCST/UCST-type Thermosensitive Dendrimers

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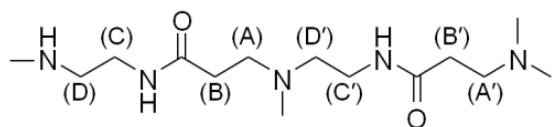


Figure S1. Partial dendrimer structure for assignment of the following ¹H NMR spectra.

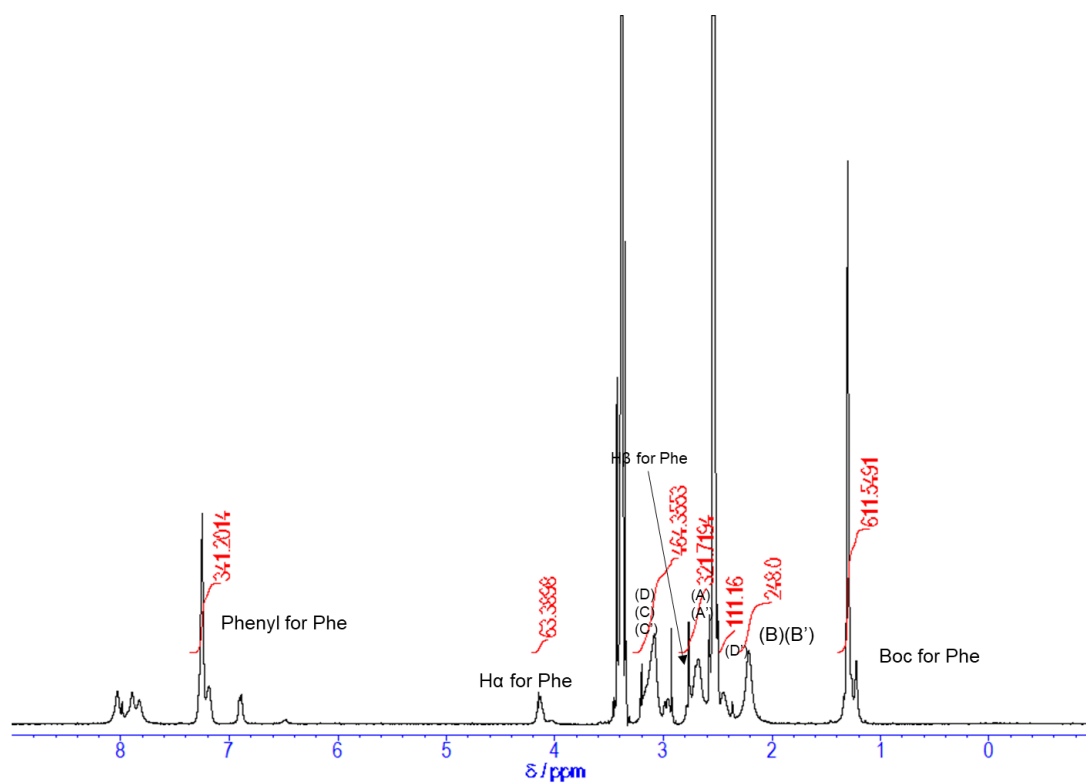


Figure S2. ¹H NMR spectrum of PAMAM-(Boc-Phe)₆₄ in DMSO-*d*₆.

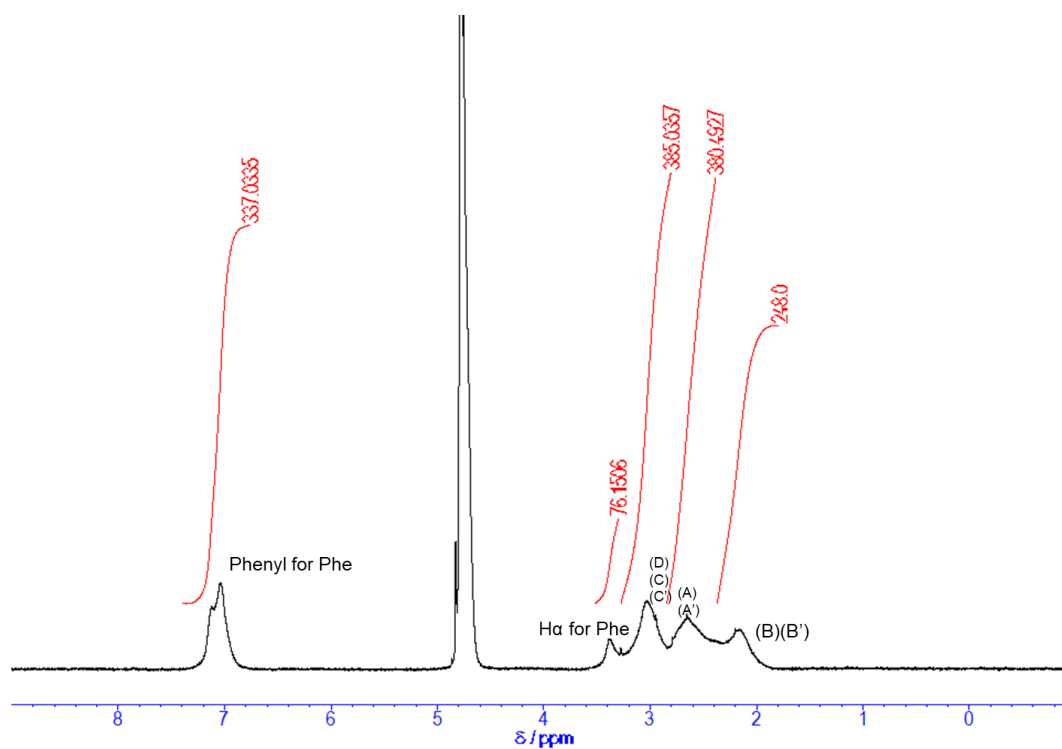


Figure S3. ¹H NMR spectrum of PAMAM-Phe64 in D₂O.

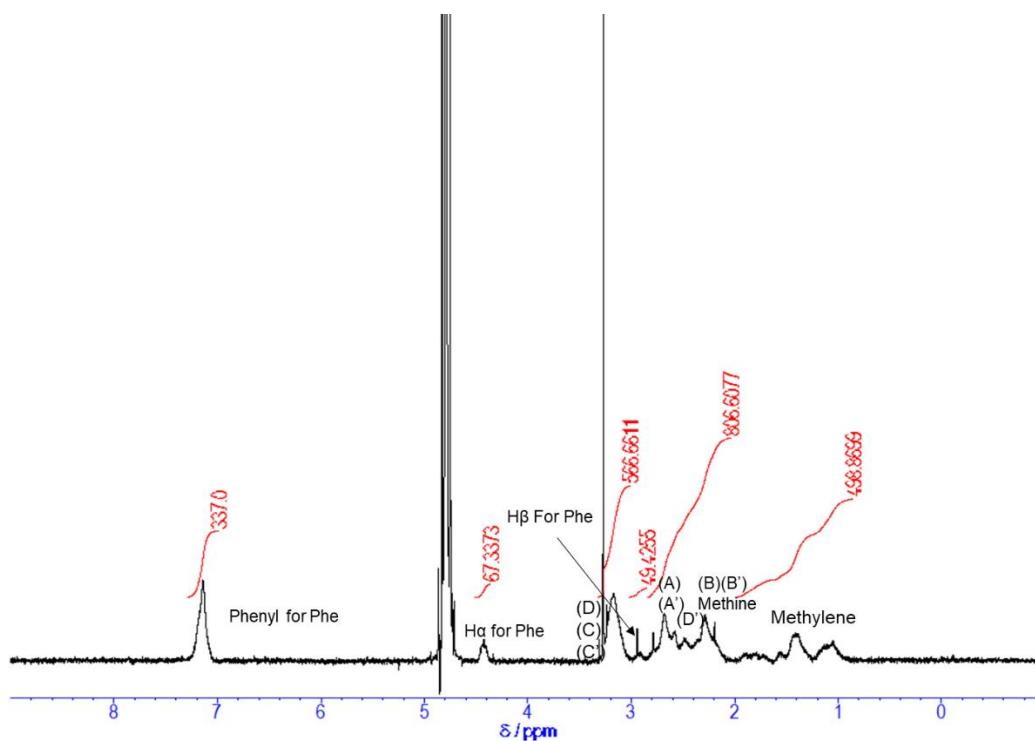


Figure S4. ¹H NMR spectrum of PAMAM-Phe64-CHex in D₂O containing NaOD.

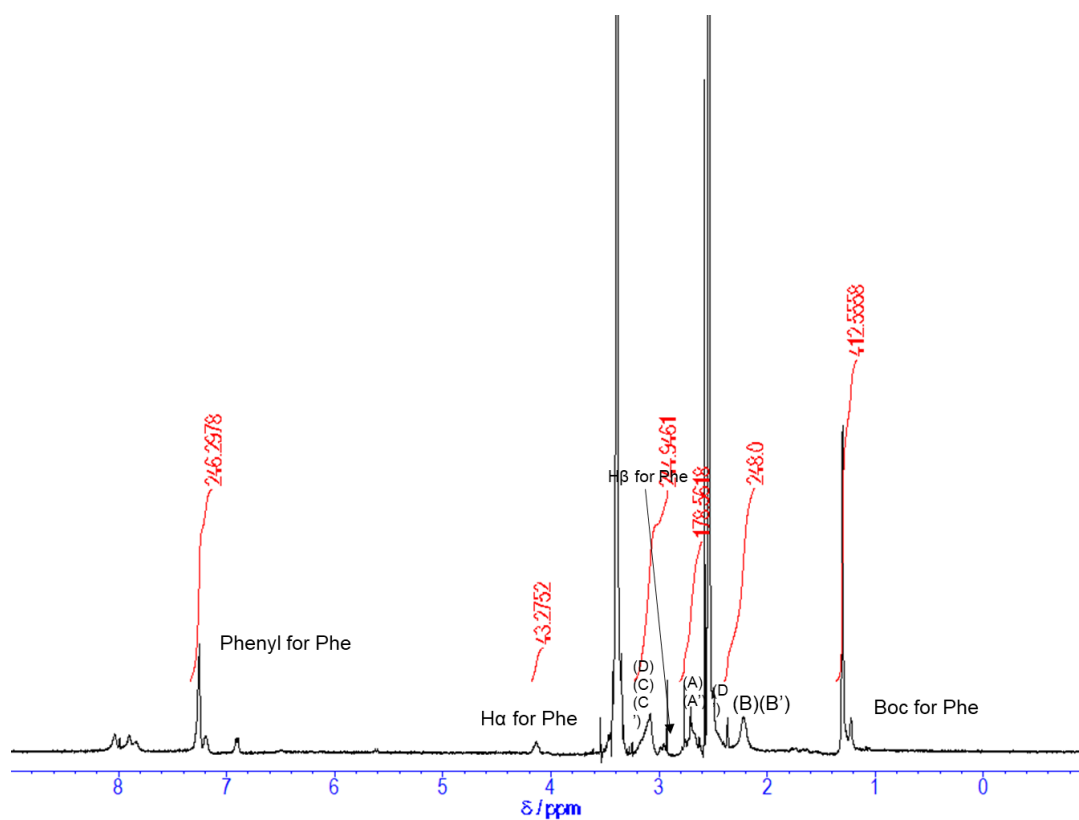


Figure S5. ^1H NMR spectrum of PAMAM-(Boc-Phe)₄₆ in DMSO- d_6 .

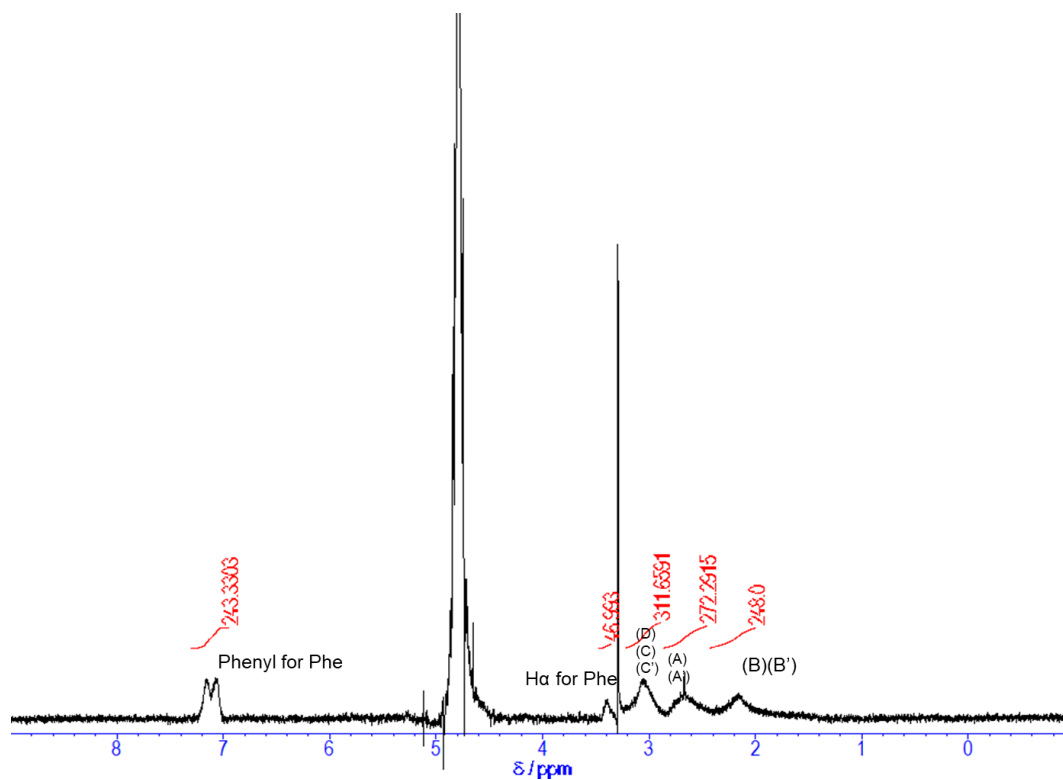


Figure S6. ^1H NMR spectrum of PAMAM-Phe₄₆ in D₂O.

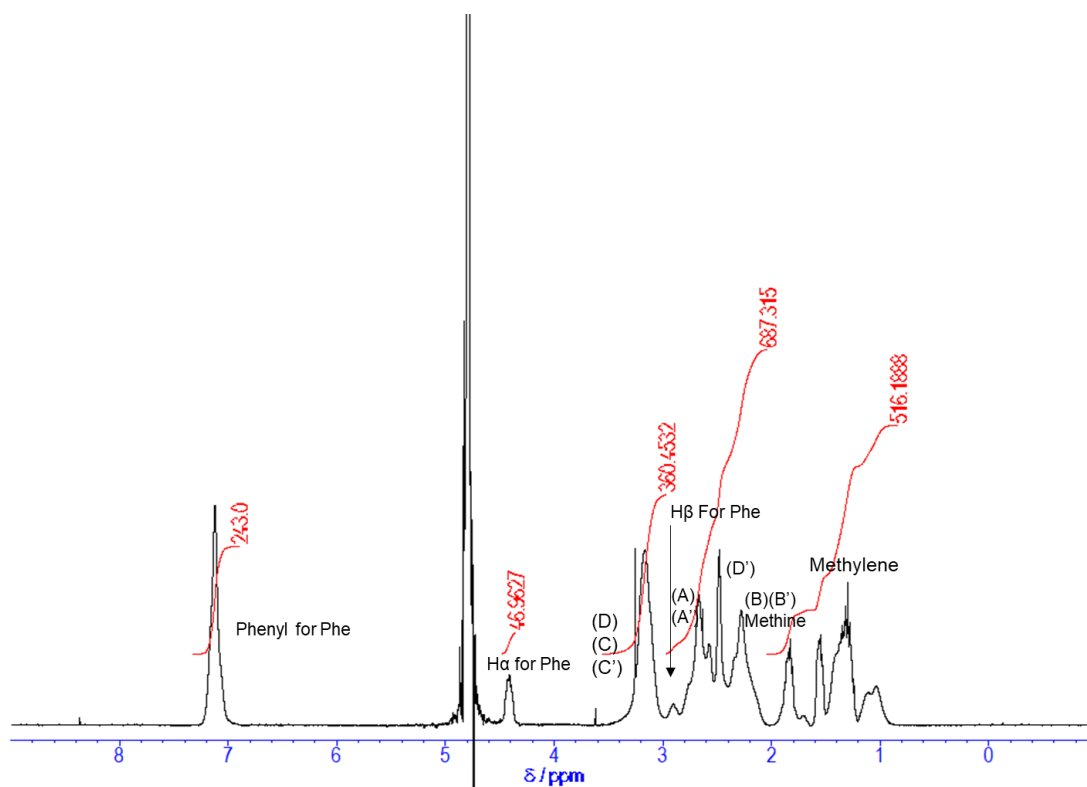


Figure S7. ^1H NMR spectrum of PAMAM-Phe46-CHex in D_2O containing NaOD.

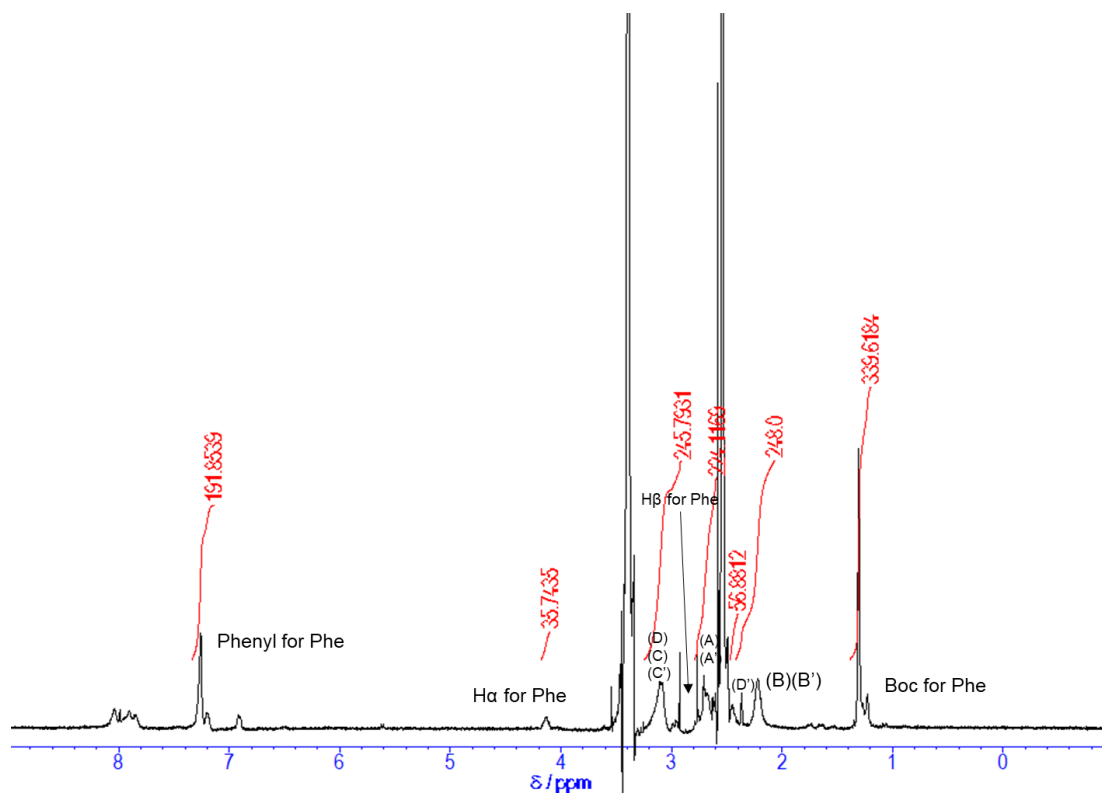


Figure S8. ^1H NMR spectrum of PAMAM-(Boc-Phe)35 in $\text{DMSO}-d_6$.

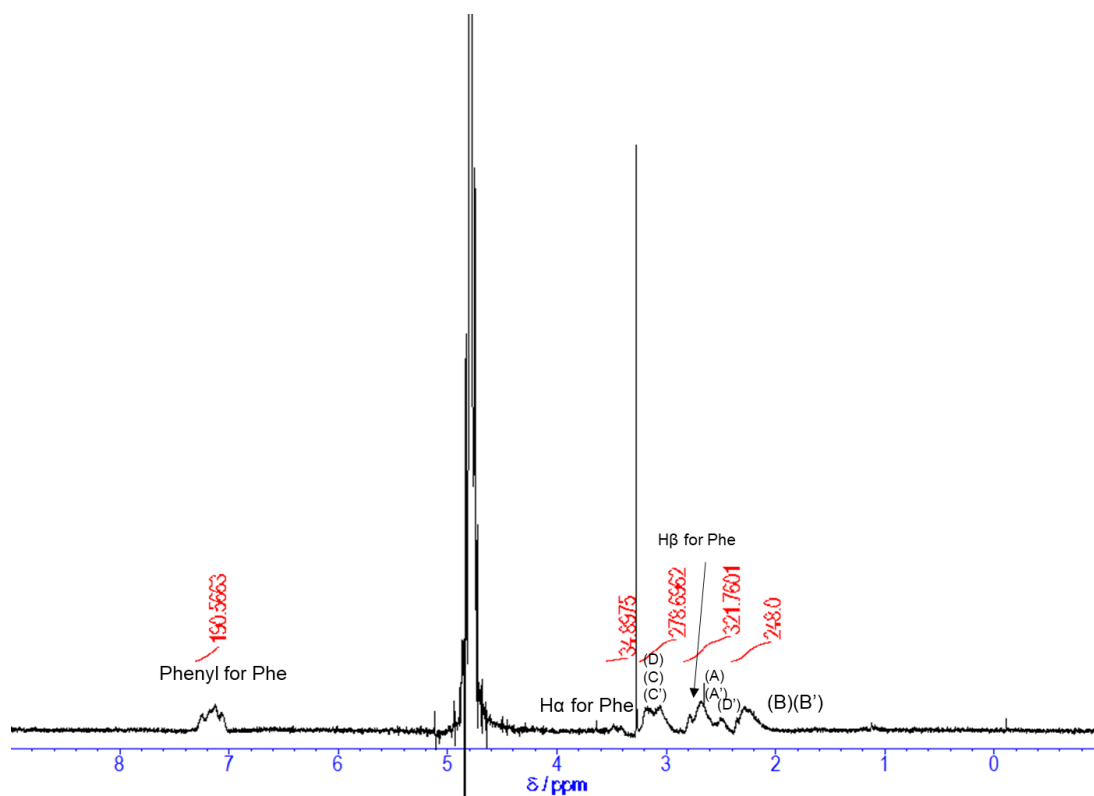


Figure S9. ¹H NMR spectrum of PAMAM-Phe35 in D₂O.

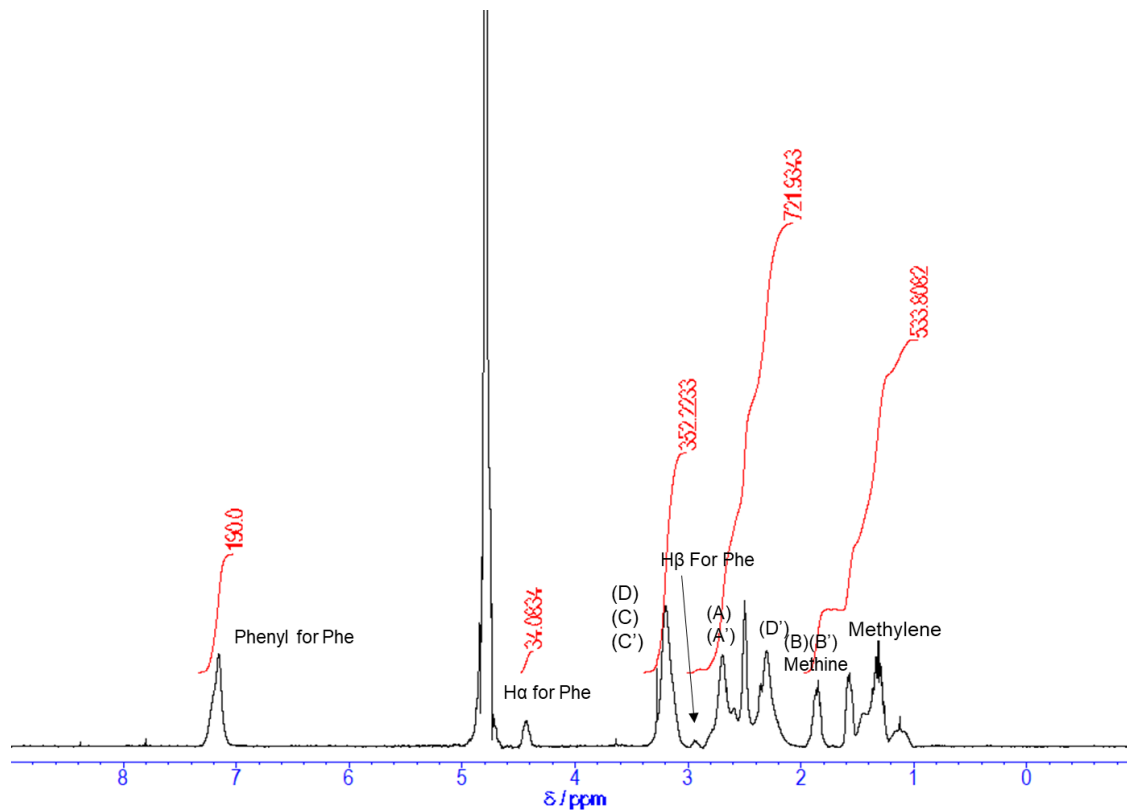


Figure S10. ¹H NMR spectrum of PAMAM-Phe35-CHex in D₂O containing NaOD.

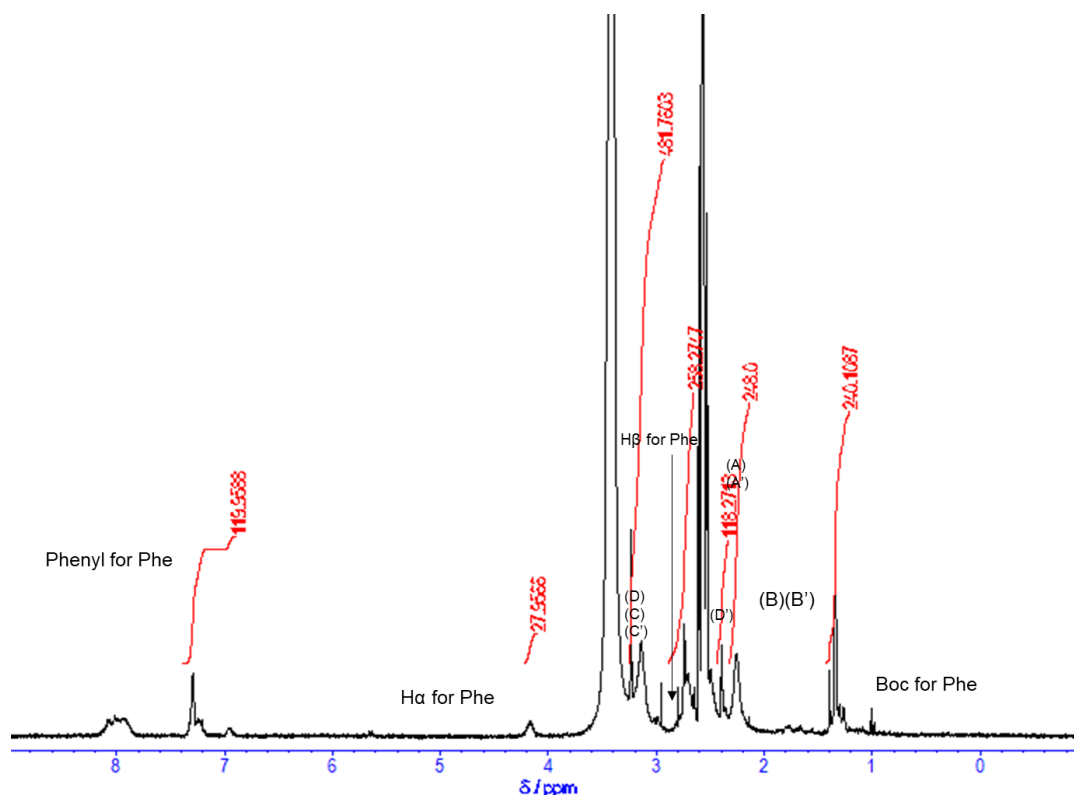


Figure S11. ¹H NMR spectrum of PAMAM-(Boc-Phe)₂₇ in DMSO-*d*₆.

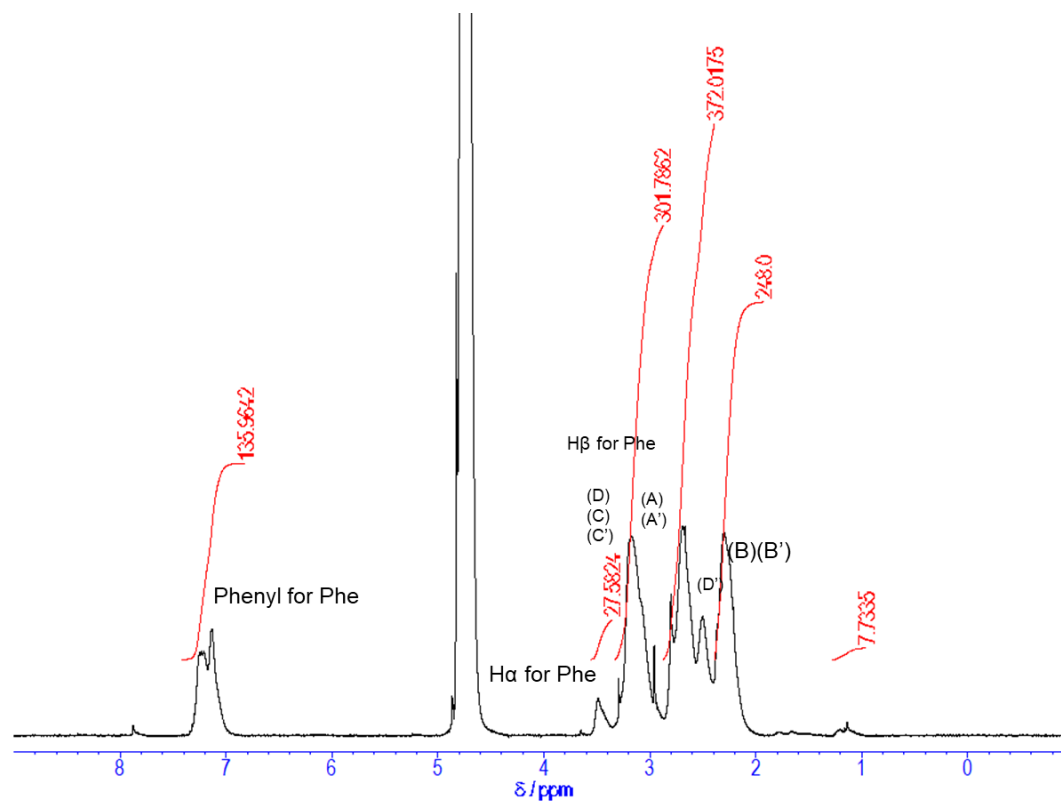


Figure S12. ¹H NMR spectrum of PAMAM-Phe₂₇ in D₂O.

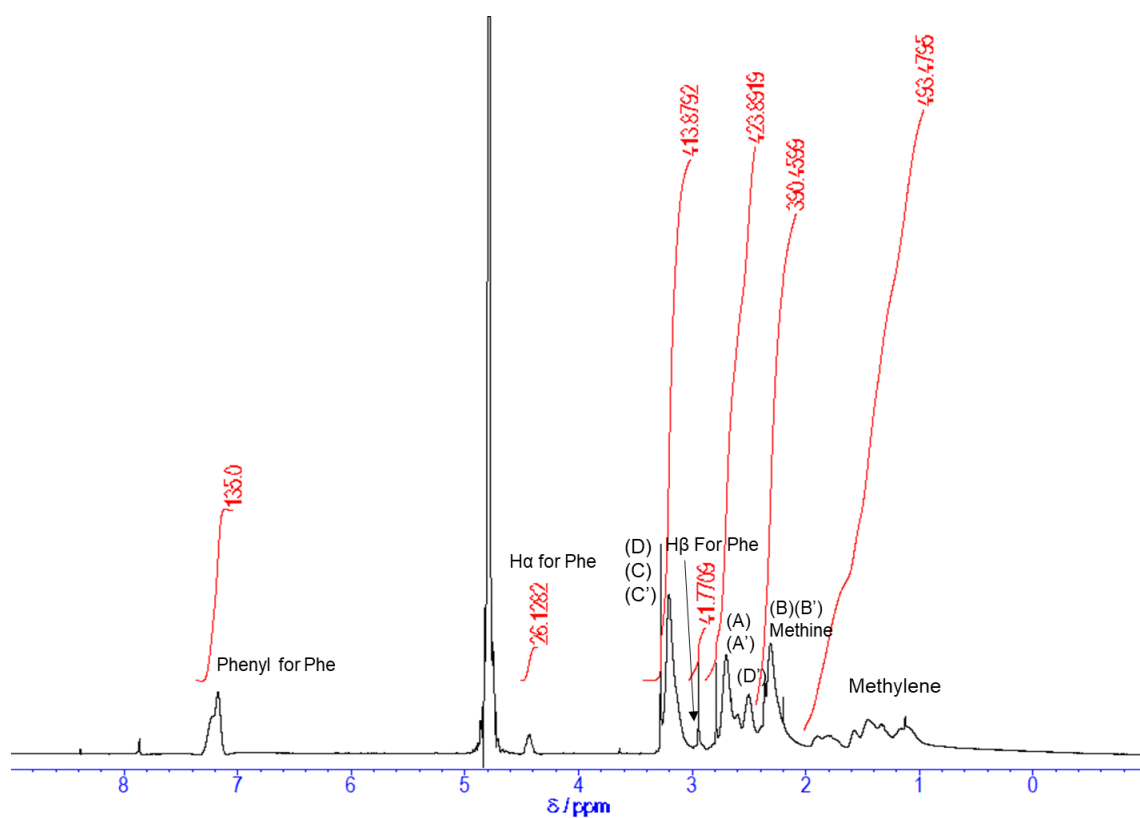


Figure S13. ¹H NMR spectrum of PAMAM-Phe₂₇-CHex in D₂O containing NaOD.

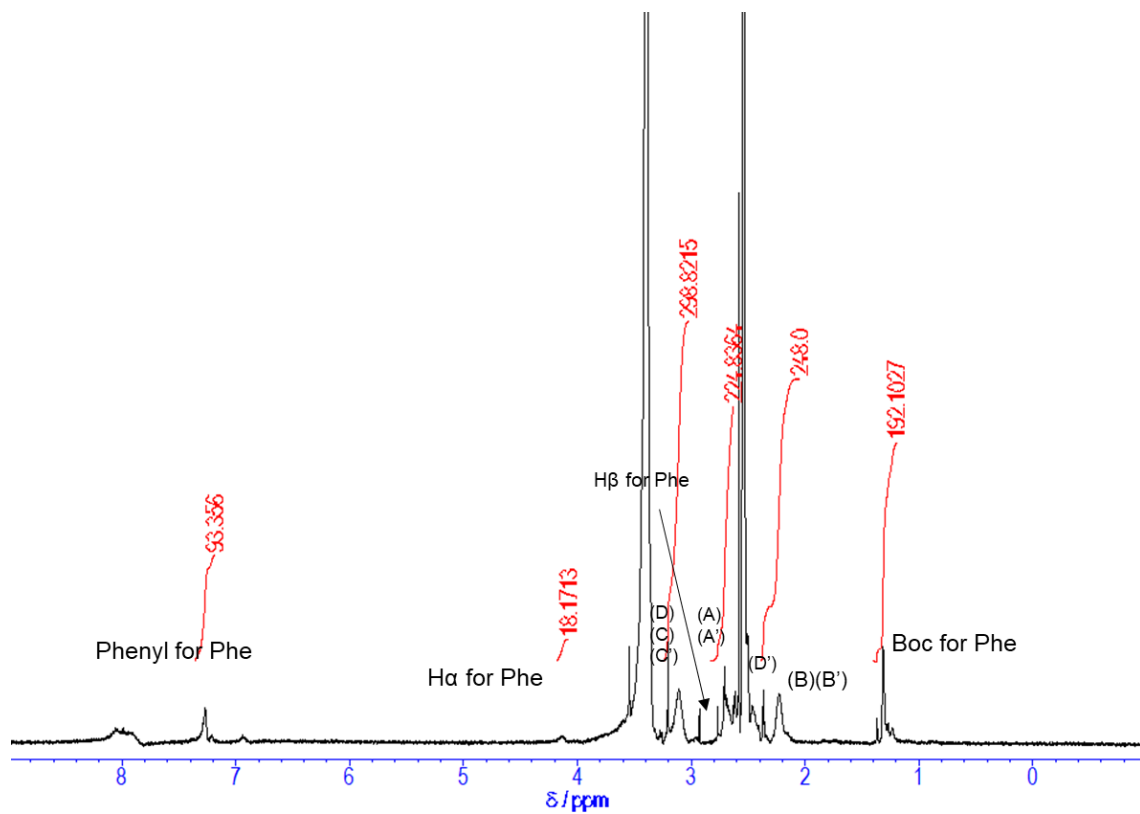


Figure S14. ¹H NMR spectrum of PAMAM-(Boc-Phe)₁₆ in DMSO-*d*₆.

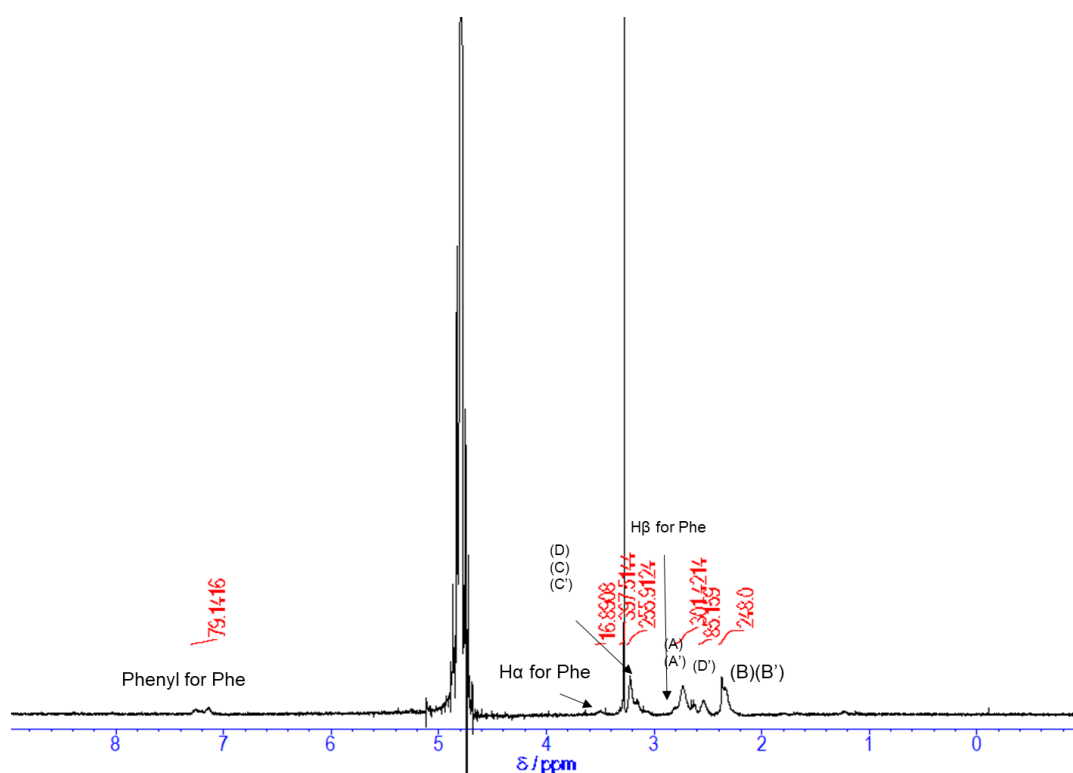


Figure S15. ¹H NMR spectrum of PAMAM-Phe16 in D₂O.

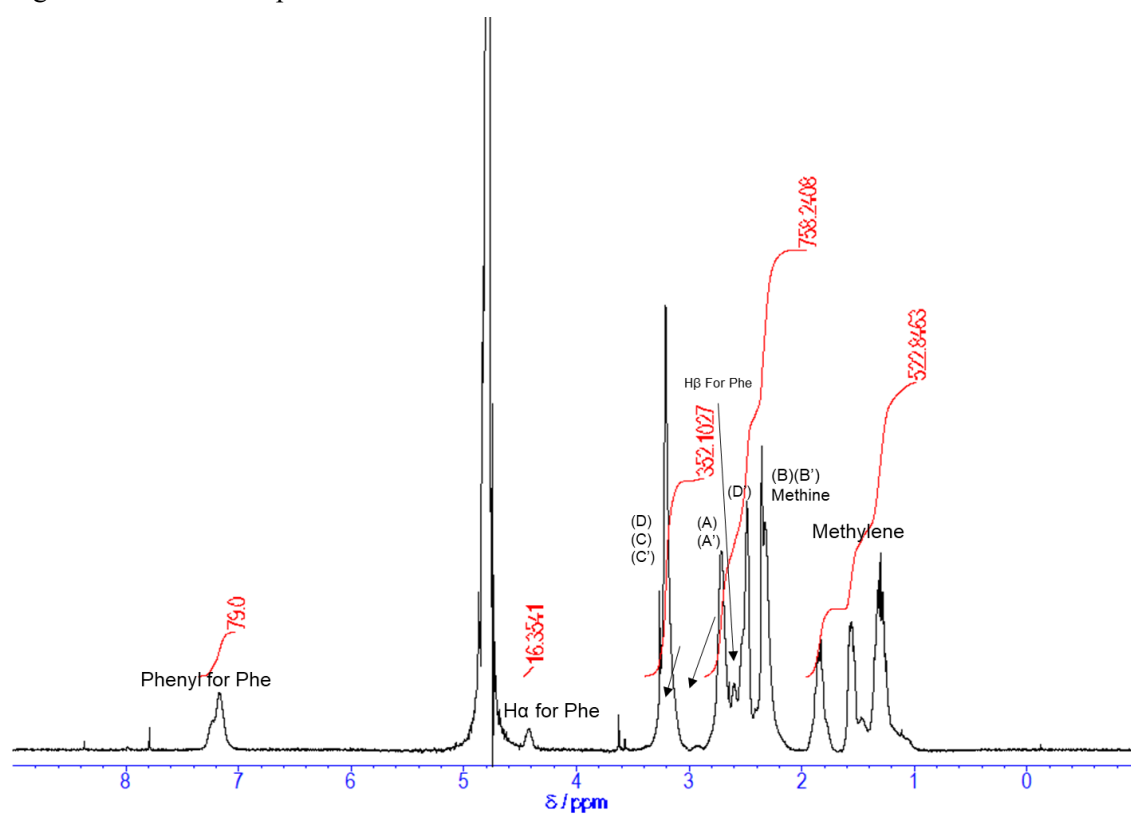


Figure S16. ¹H NMR spectrum of PAMAM-Phe16-CHex in D₂O containing NaOD.

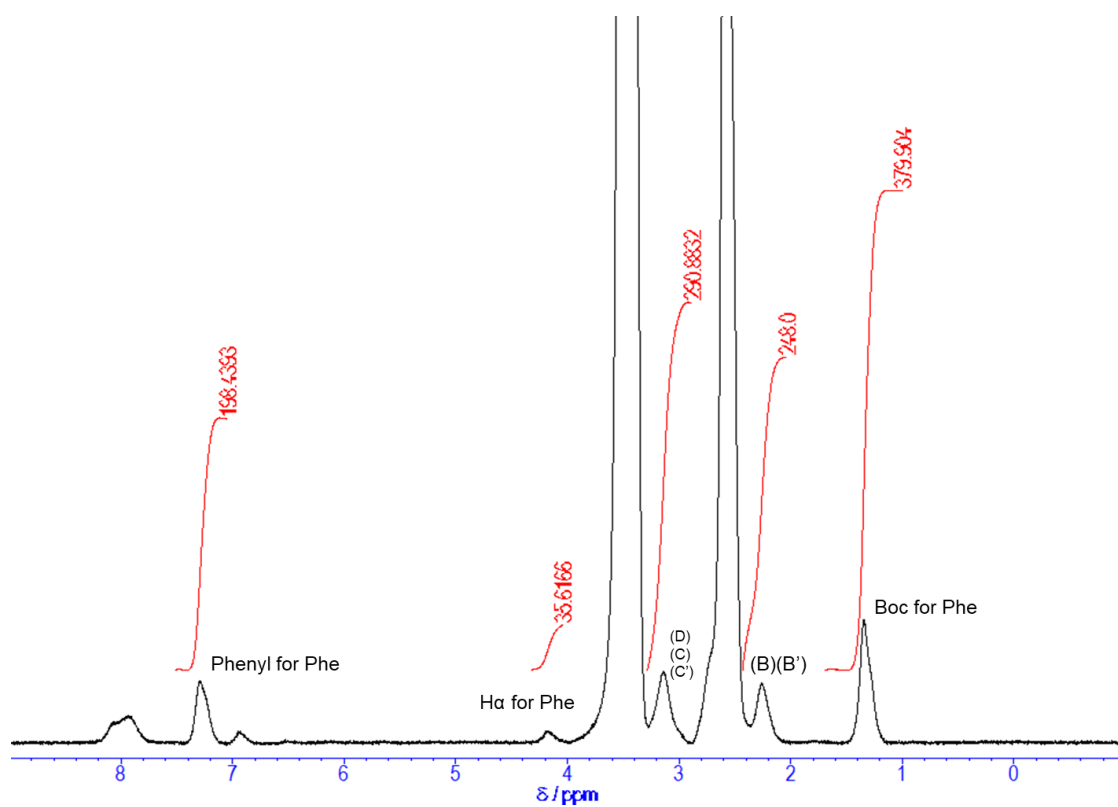


Figure S17. ¹H NMR spectrum of PAMAM-(Boc-Phe)37 in DMSO-*d*₆.

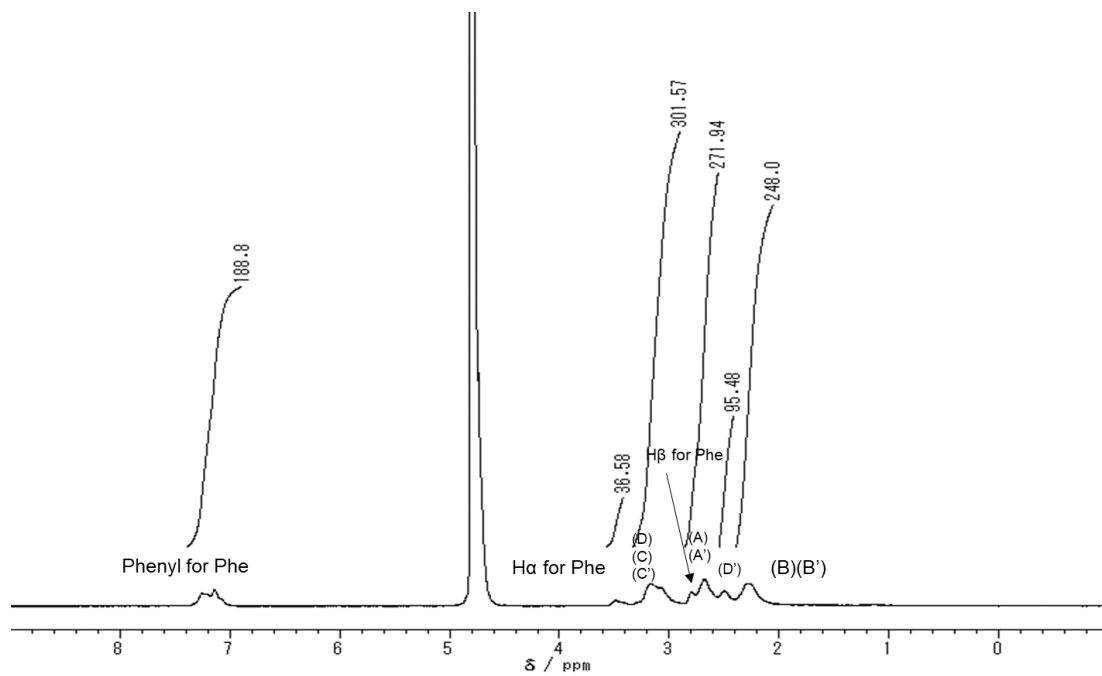


Figure S18. ¹H NMR spectrum of PAMAM-Phe37 in D₂O.

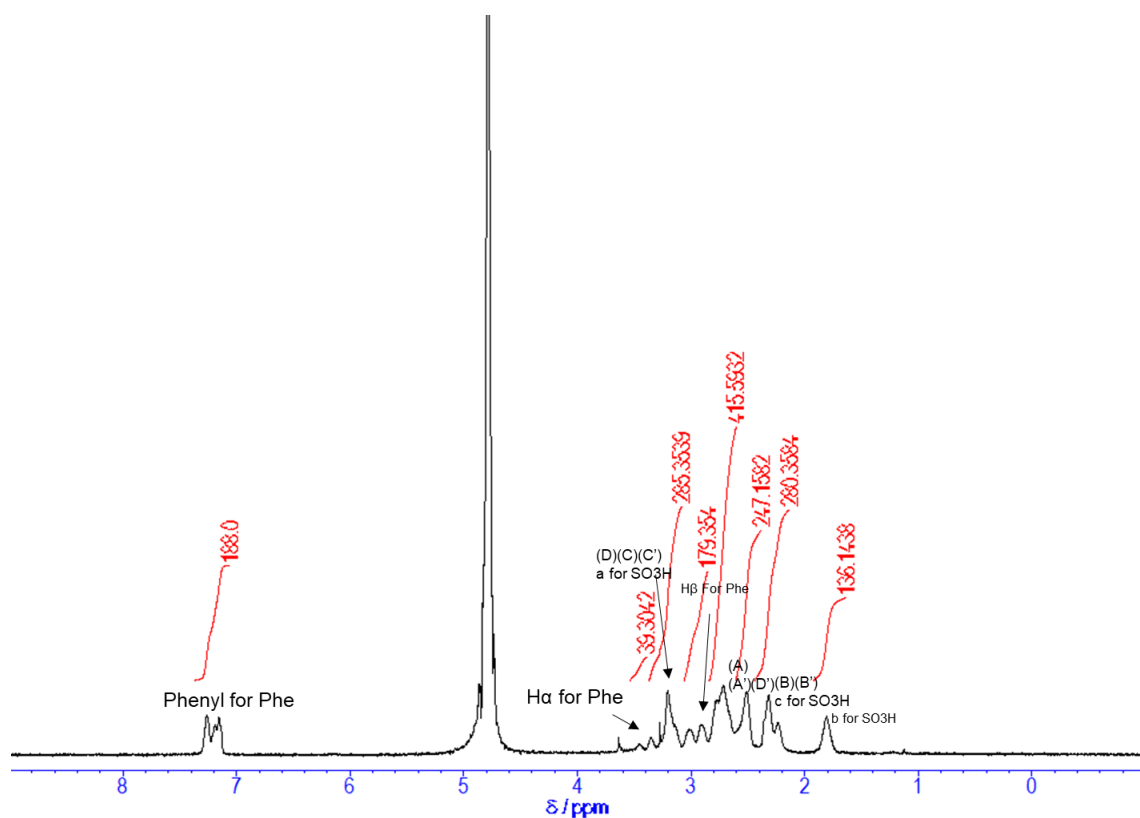


Figure S19. ^1H NMR spectrum of PAMAM-Phe37-SO₃Na68 in D₂O containing NaOD.

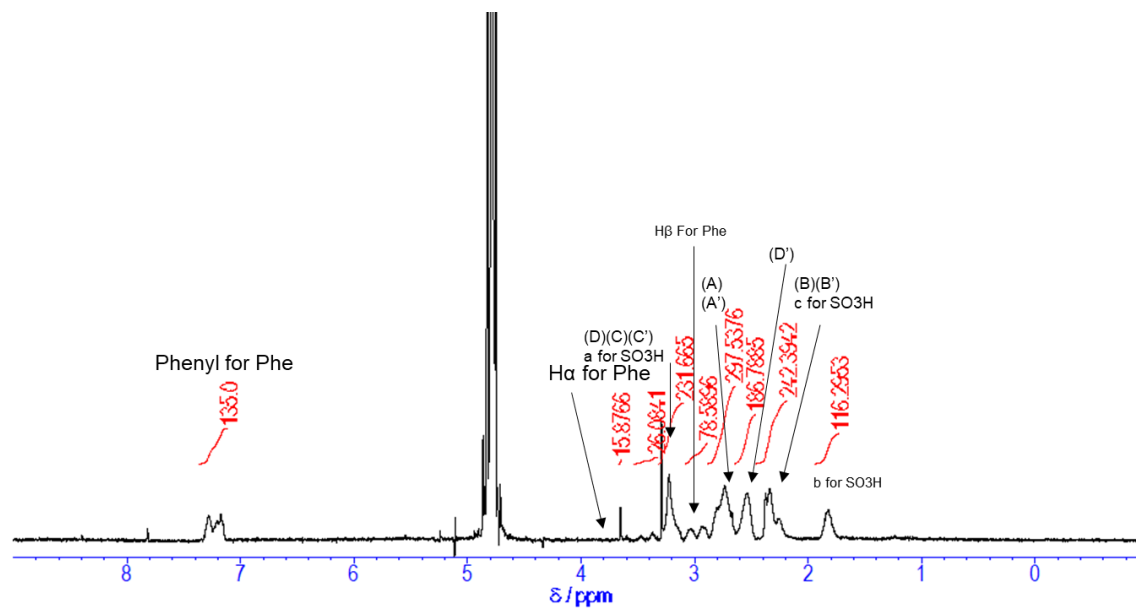


Figure S20. ^1H NMR spectrum of PAMAM-Phe27-SO₃Na61 in D₂O containing NaOD.

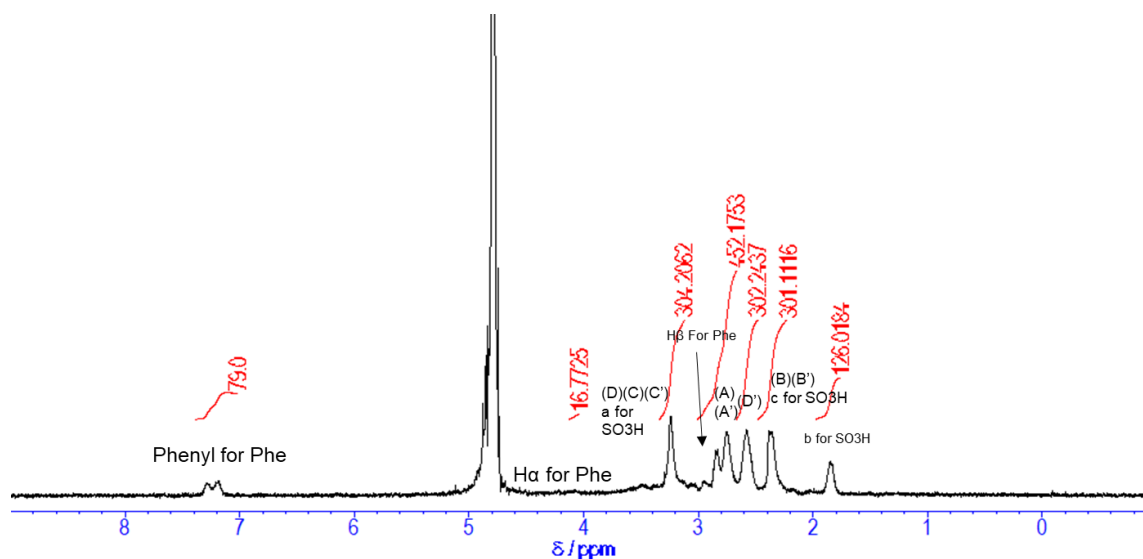


Figure S21. ^1H NMR spectrum of PAMAM-Phe16- SO_3Na 62 in D_2O containing NaOD.

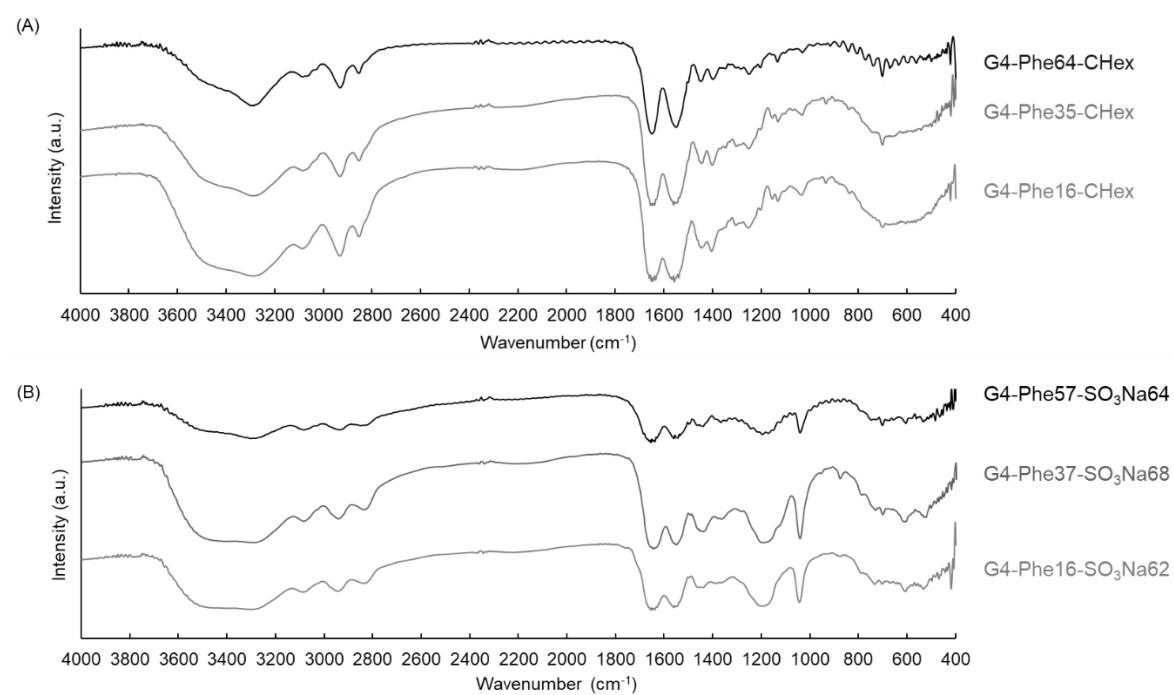


Figure S22. FT-IR spectra of PAMAM-Phe-CHex (A) and PAMAM-Phe- SO_3Na (B).

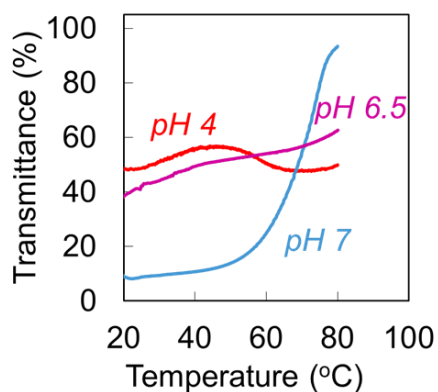


Figure S23. Temperature-dependent transmittance curves of dendrigraft polylysine (G3, 123 termini)-Phe123-SO₃Na85 in different pHs (1 mg/mL).

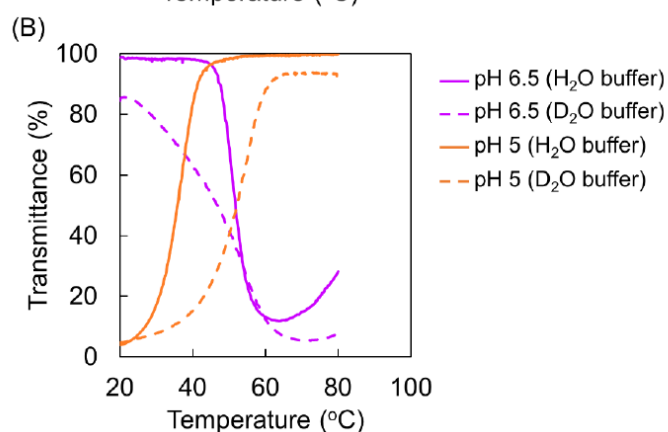
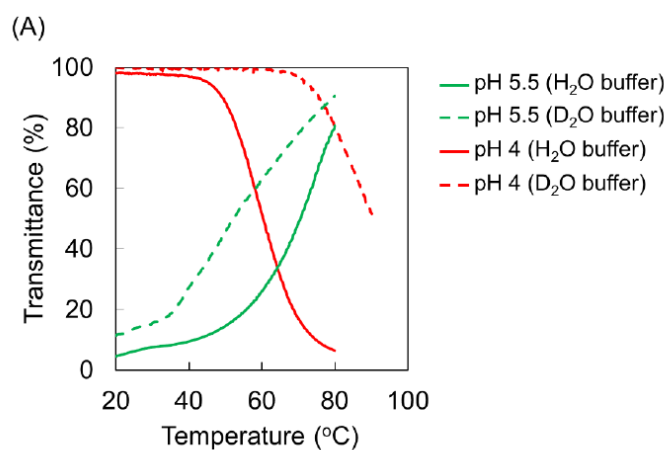


Figure S24. Temperature-dependent transmittance curves of PAMAM-Phe-Suc (A) and PAMAM-Phe-SO₃Na (B) in H₂O and D₂O buffers (1 mg/mL).

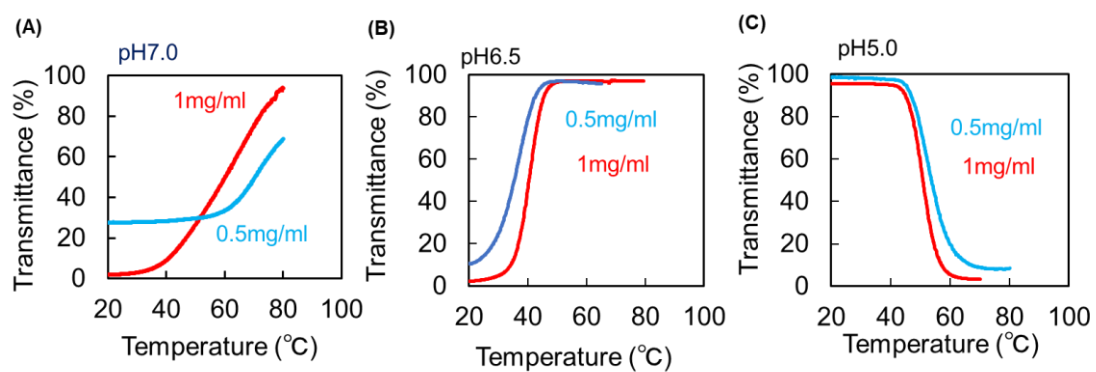


Figure S25. Temperature-dependent transmittance curves of PAMAM-Phe-CHex (A) and PAMAM-Phe-SO₃Na (B,C) at different dendrimer concentrations in different pHs.