

New Nostocyclophanes from *Nostoc linckia*

TABLE OF CONTENTS

	<u>Page</u>
Figure S1. ^1H NMR Spectrum (500 MHz) of 1 in DMSO_6	3
Figure S2. ^{13}C NMR Spectrum (125 MHz) of 1 in DMSO_6	4
Figure S3. HSQC NMR Spectrum (500 MHz) of 1 in DMSO_6	5
Figure S4. COSY NMR Spectrum (500 MHz) of 1 in DMSO_6	6
Figure S5. HMBC Spectrum (500 MHz) of 1 in DMSO_6	7
Figure S6. ^1H NMR Spectrum (500 MHz) of 2 in DMSO_6	8
Figure S7. ^{13}C NMR Spectrum (125 MHz) of 2 in DMSO_6	9
Figure S8. HSQC NMR Spectrum (500 MHz) of 2 in DMSO_6	10
Figure S9. COSY NMR Spectrum (500 MHz) of 2 in DMSO_6	11
Figure S10. HMBC Spectrum (500 MHz) of 2 in DMSO_6	12
Figure S11. ^1H NMR Spectrum (500 MHz) of 3 in DMSO_6	13
Figure S12. ^{13}C NMR Spectrum (125 MHz) of 3 in DMSO_6	14
Figure S13. ^1H NMR Spectrum (500 MHz) of 4 in DMSO_6	15
Figure S14. ^{13}C NMR Spectrum (125 MHz) of 4 in DMSO_6	16
Figure S15. HSQC NMR Spectrum (500 MHz) of 4 in DMSO_6	17
Figure S16. COSY NMR Spectrum (500 MHz) of 4 in DMSO_6	18
Figure S17. HMBC Spectrum (500 MHz) of 4 in DMSO_6	19
Figure S18. ^1H NMR Spectrum (500 MHz) of 5 in DMSO_6	20
Figure S19. ^{13}C NMR Spectrum (500 MHz) of 5 in DMSO_6	21
Figure S20. ^1H NMR Spectrum (500 MHz) of 6 in CDCl_3	22
Figure S21. ^{13}C NMR Spectrum (125 MHz) of 6 in CDCl_3	23
Figure S22. HSQC NMR Spectrum (500 MHz) of 6 in CDCl_3	24
Figure S23. COSY NMR Spectrum (500 MHz) of 6 in CDCl_3	25
Figure S24. HMBC Spectrum (500 MHz) of 6 in CDCl_3	26
Figure S25. ^1H NMR Spectrum (500 MHz) of 6 in DMSO_6	27
Figure S26. ^{13}C NMR Spectrum (125 MHz) of 6 in DMSO_6	28
Figure S27. HR-ESI-MS Spectrum of 1	29
Figure S28. HR-ESI-MS Spectrum of 2	30
Figure S29. HR-ESI-MS Spectrum of 3	31
Figure S30. HR-ESI-MS Spectrum of 4	32
Figure S31. HR-ESI-MS Spectrum of 5	33
Figure S32. HR-ESI-MS Spectrum of 6	34
Figure S33. Electronic Circular Dichroism Spectra (MeOH) of Nostocyclophane D, Dedichloronostocyclophane D, and 1-5	35
Figure S34. Electronic Circular Dichroism Spectra (MeOH) of 6	36

Figure S1. ^1H NMR Spectrum (500 MHz) of **1** in DMSO_6

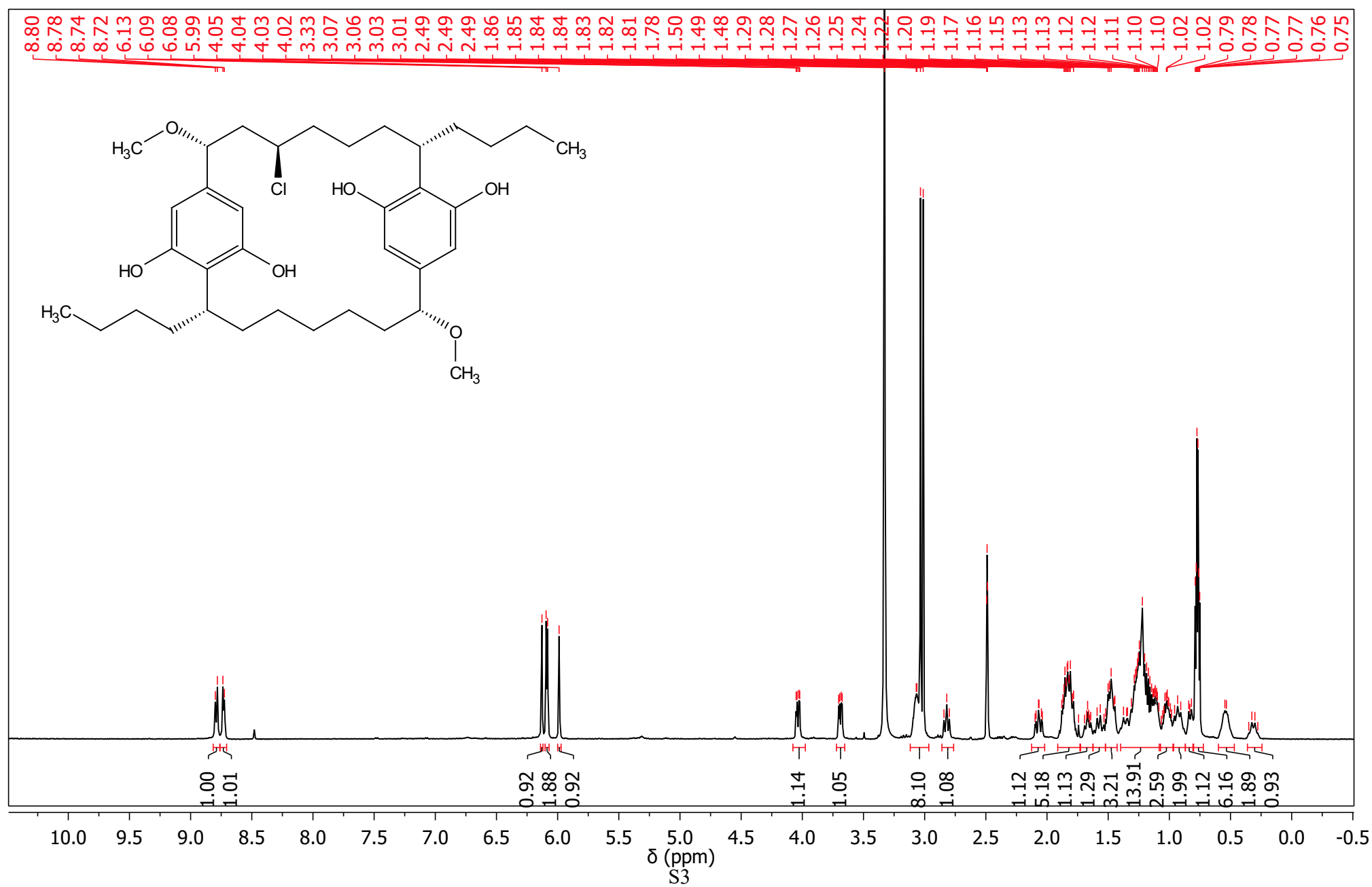


Figure S2. ^{13}C NMR Spectrum (125 MHz) of **1** in DMSO_6

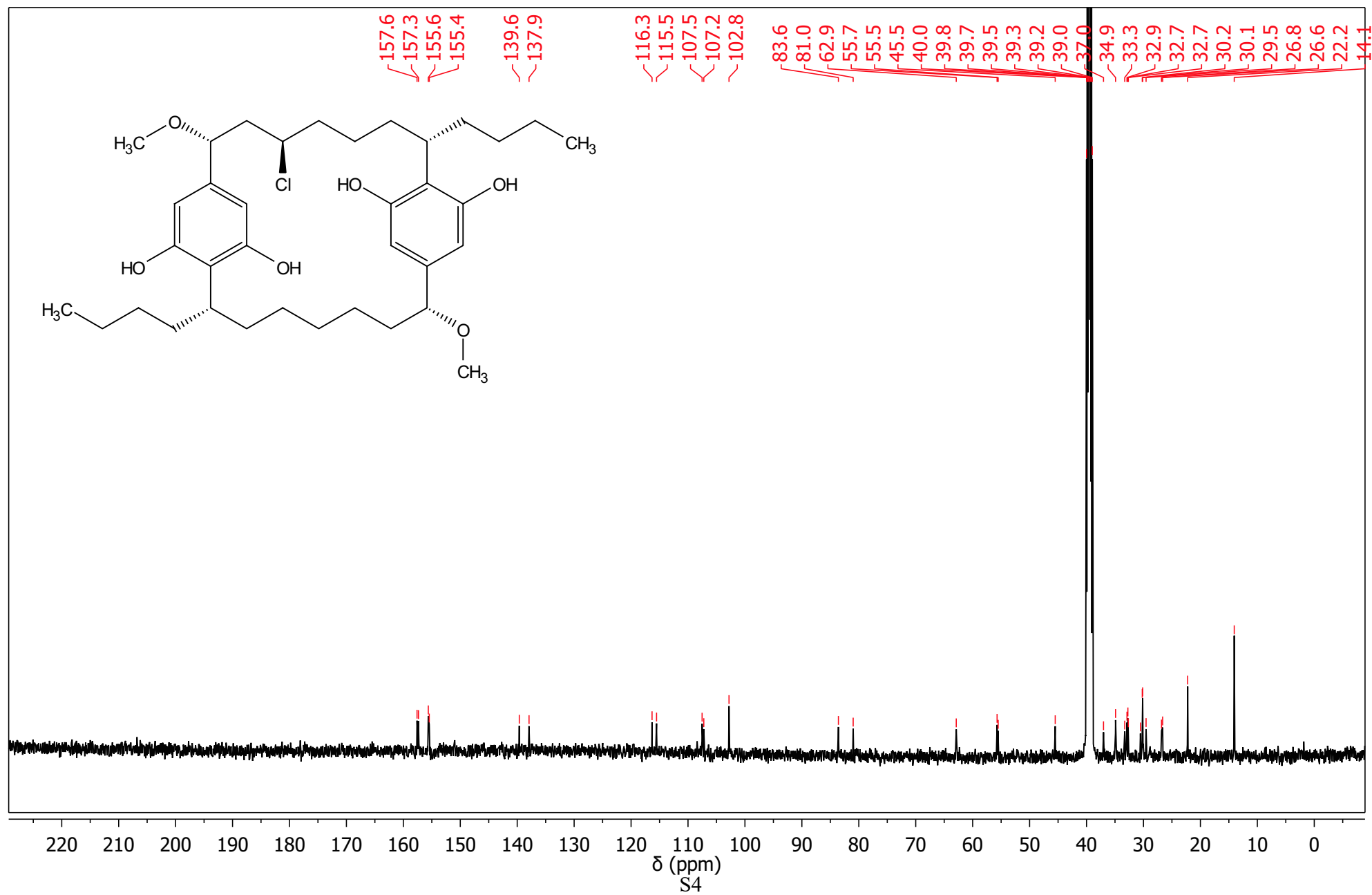


Figure S3. HSQC NMR Spectrum (500 MHz) of **1** in DMSO₆

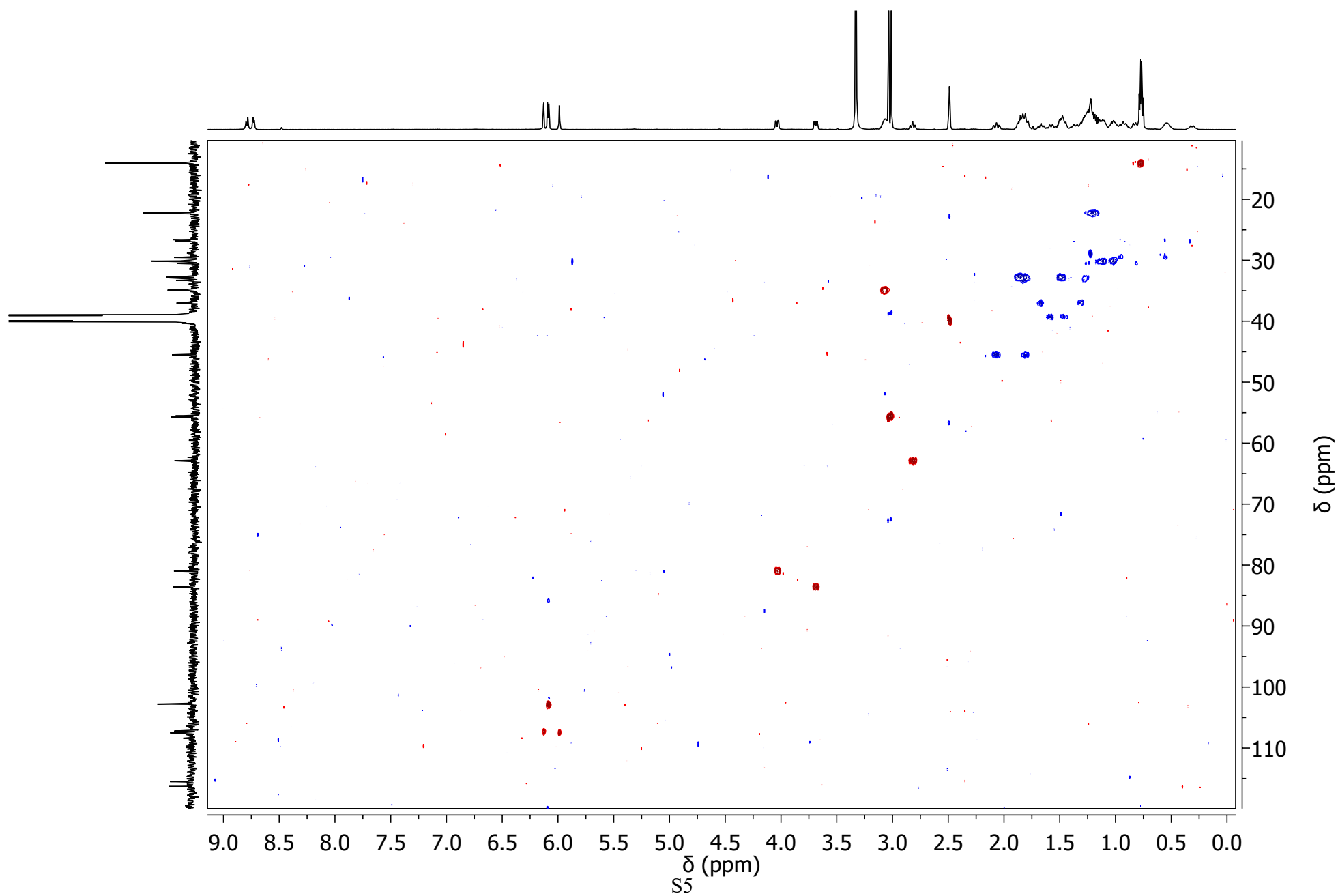


Figure S4. COSY NMR Spectrum (500 MHz) of **1** in DMSO₆

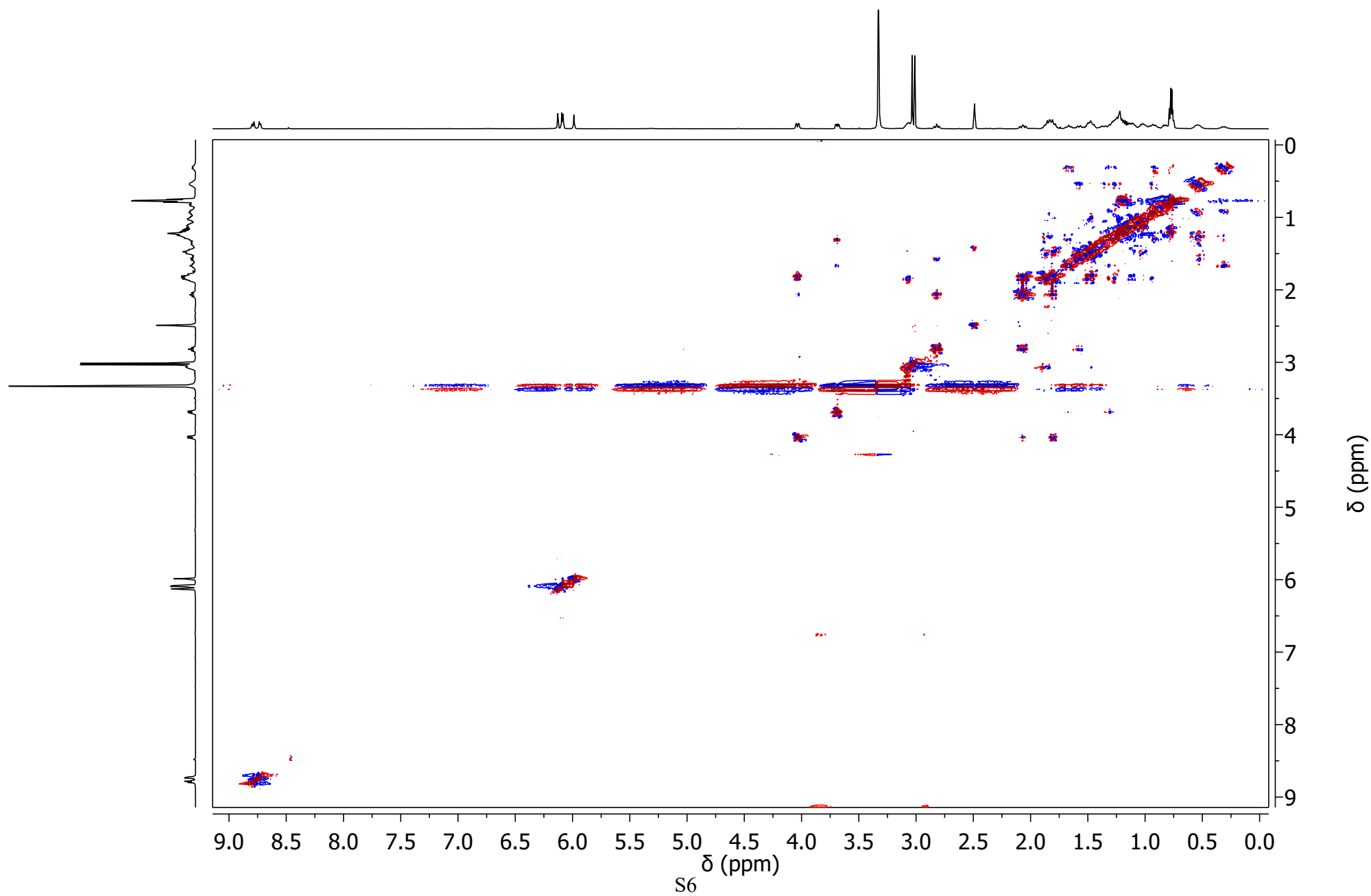


Figure S5. HMBC Spectrum (500 MHz) of **1** in DMSO₆

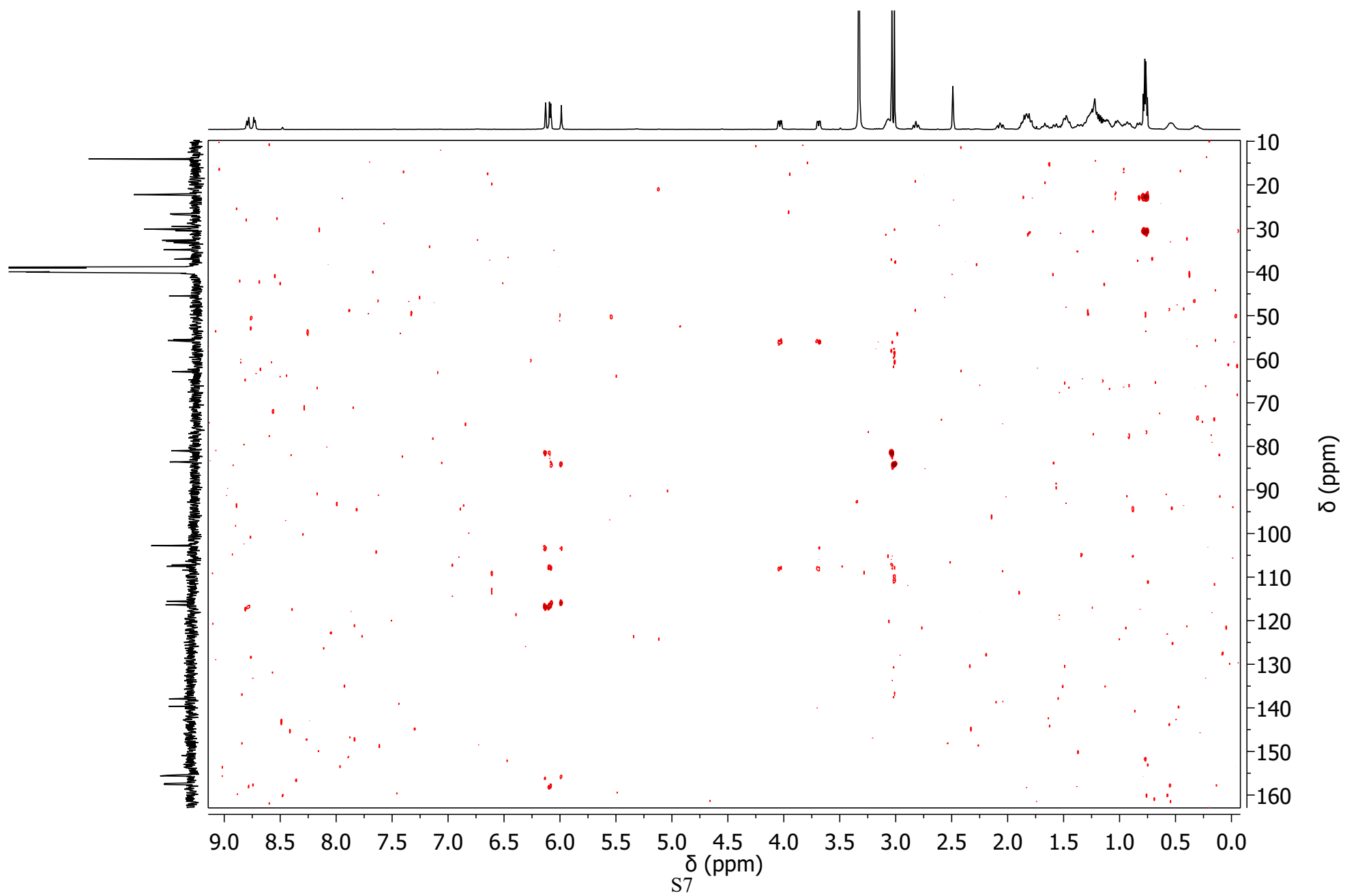


Figure S6. ^1H NMR Spectrum (500 MHz) of **2** in DMSO_6

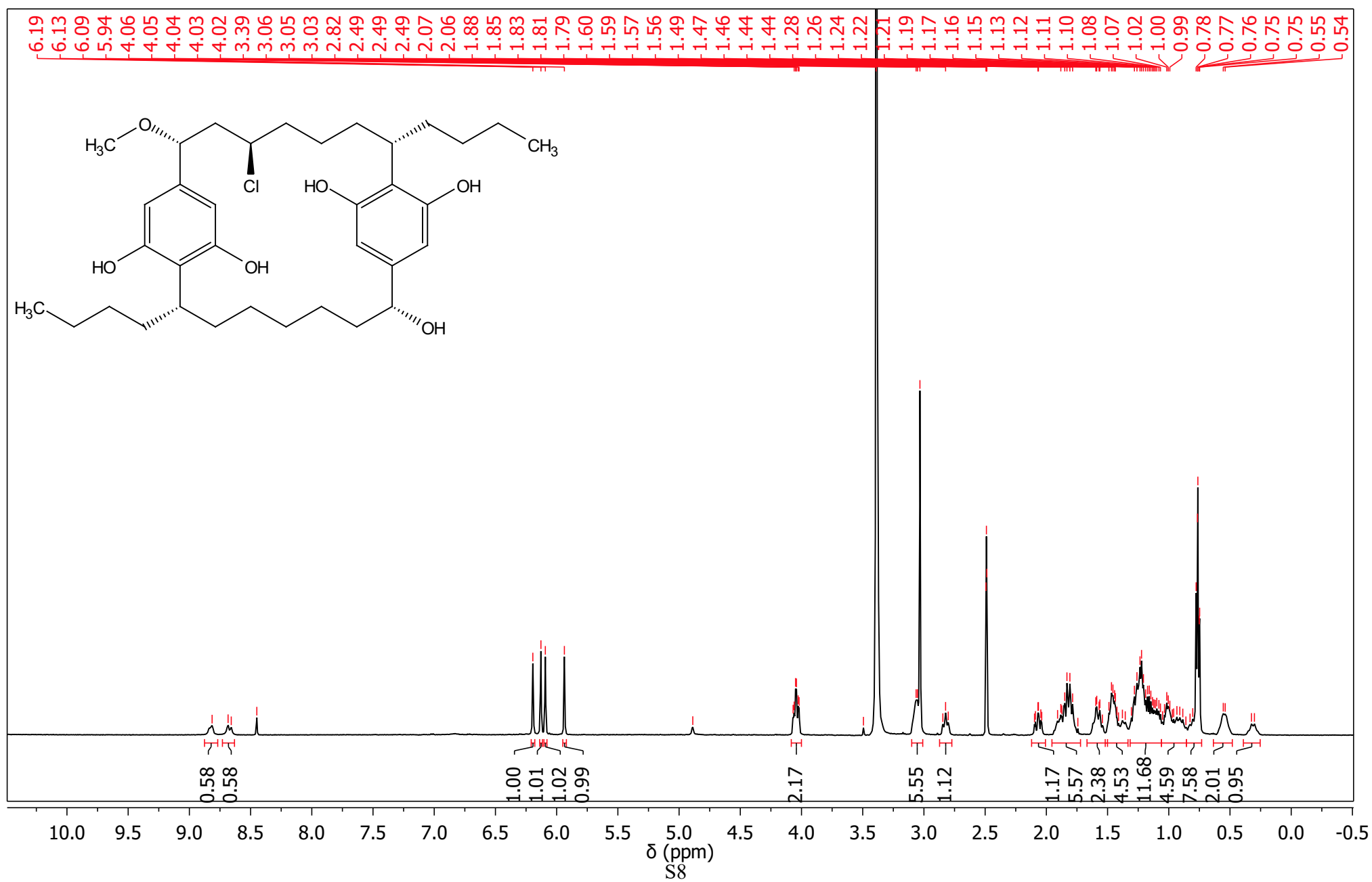


Figure S7. ^{13}C NMR Spectrum (125 MHz) of **2** in DMSO_6

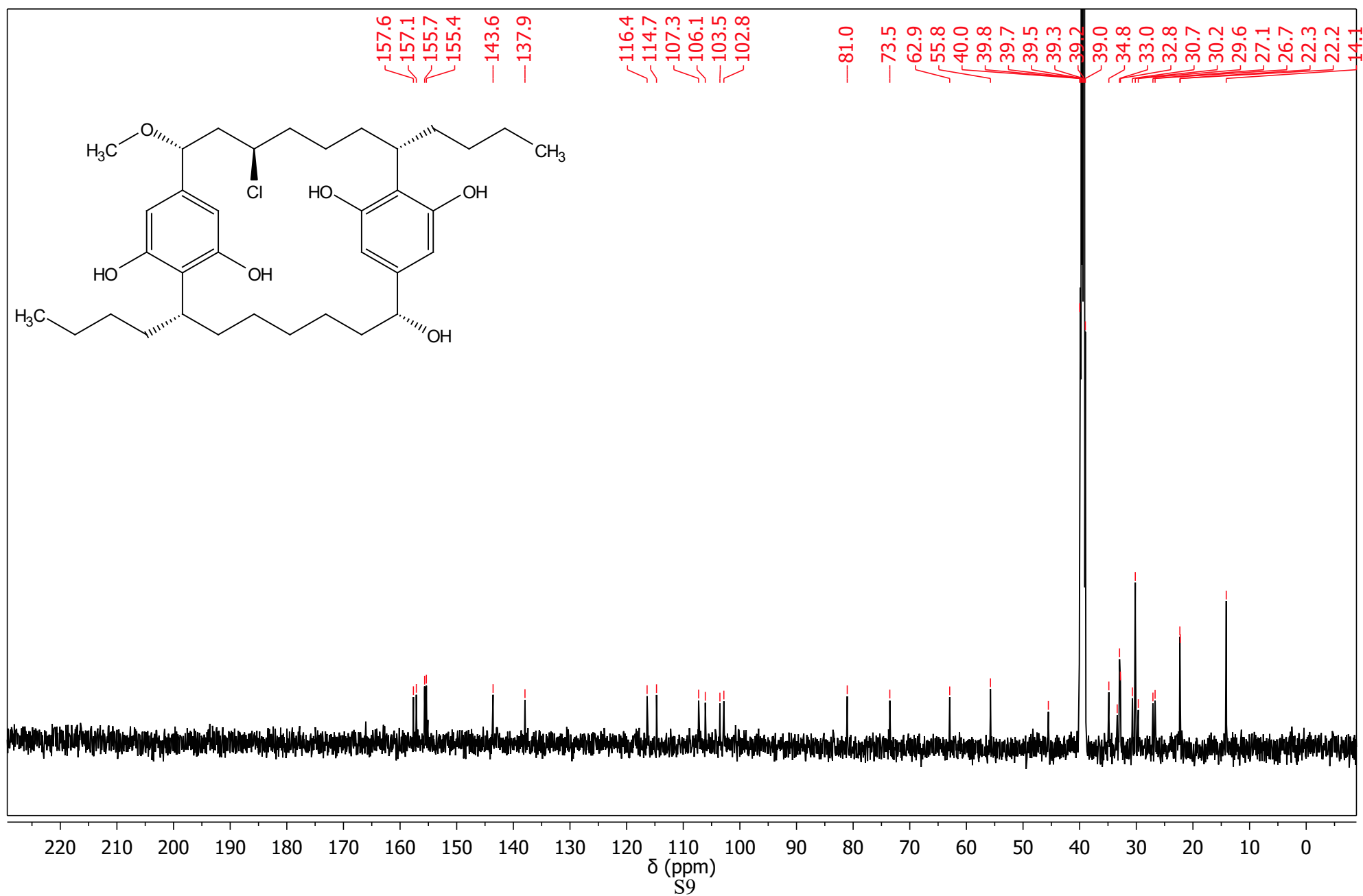


Figure S8. HSQC NMR Spectrum (500 MHz) of **2** in DMSO₆

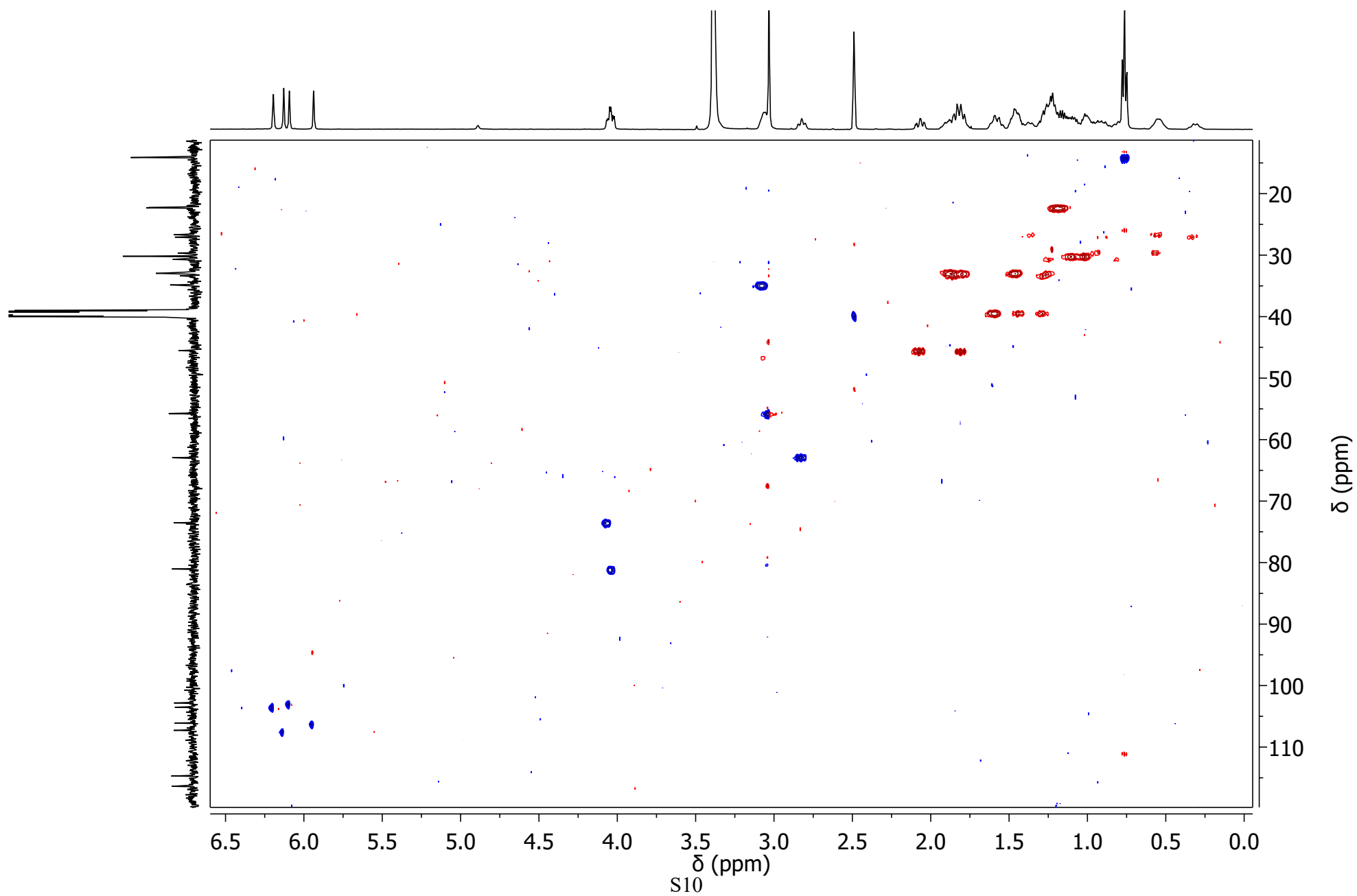


Figure S9. COSY NMR Spectrum (500 MHz) of **2** in DMSO₆

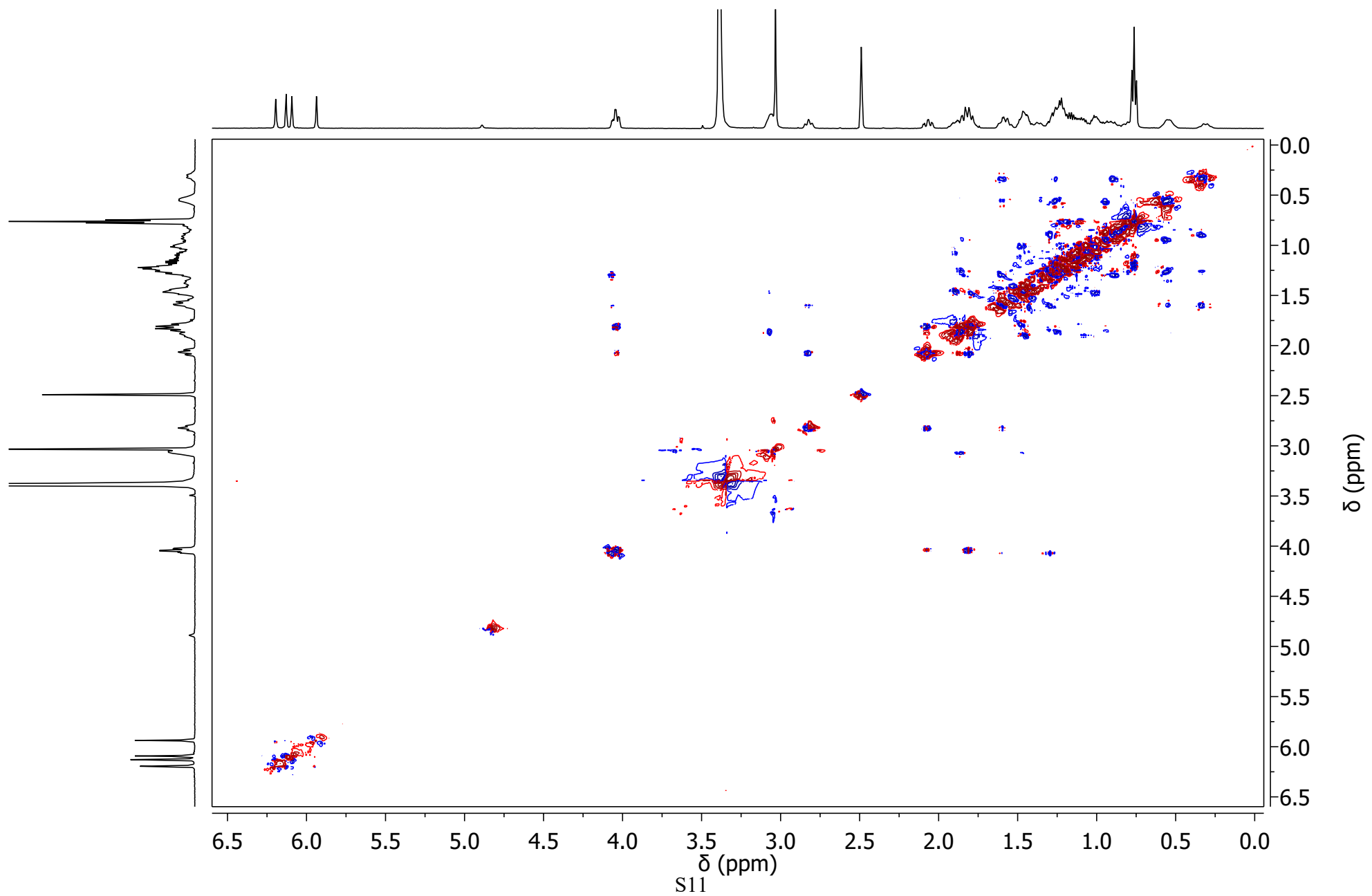


Figure S10. HMBC Spectrum (500 MHz) of **2** in DMSO₆

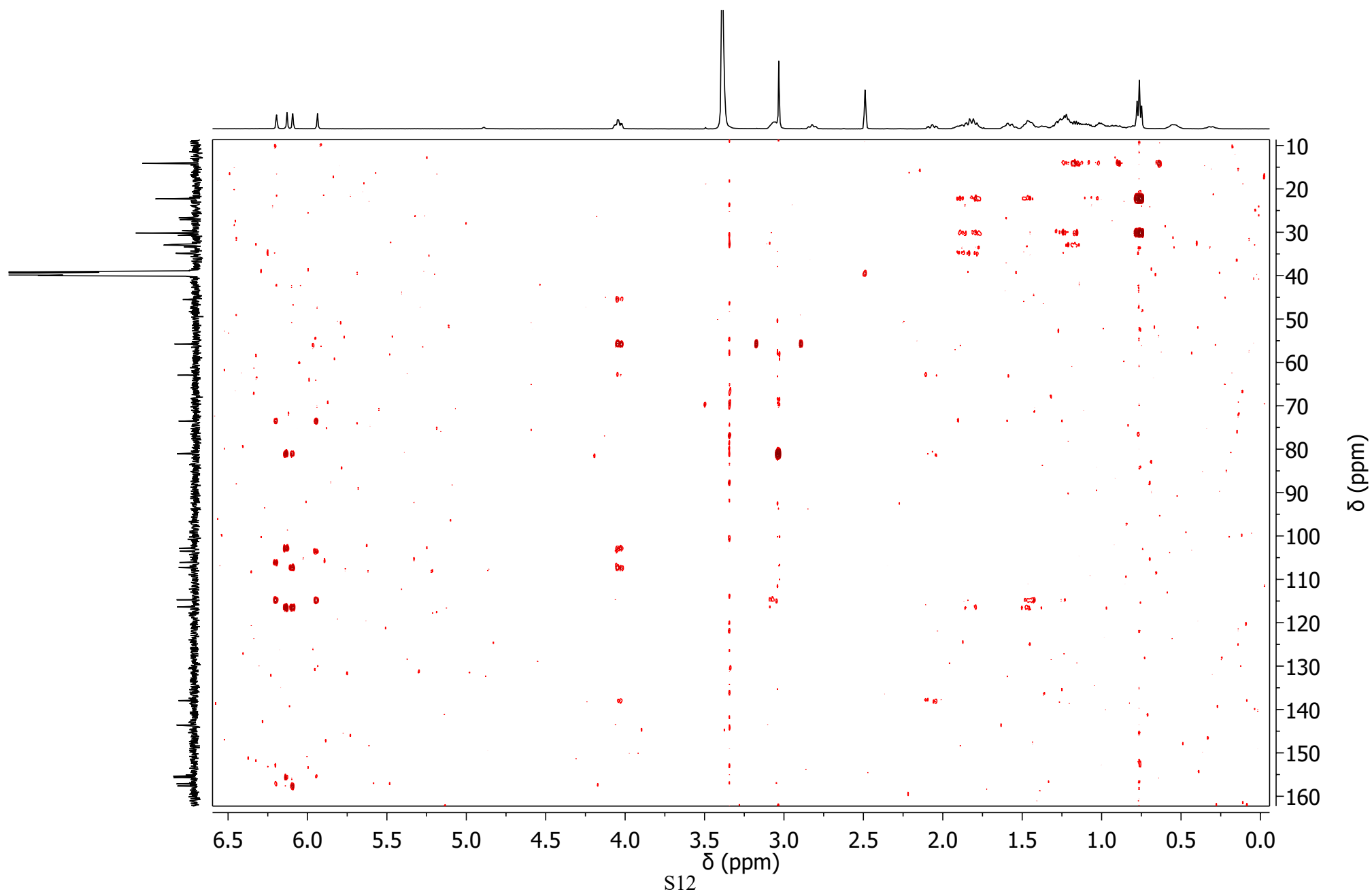


Figure S11. ^1H NMR Spectrum (500 MHz) of **3** in DMSO_6

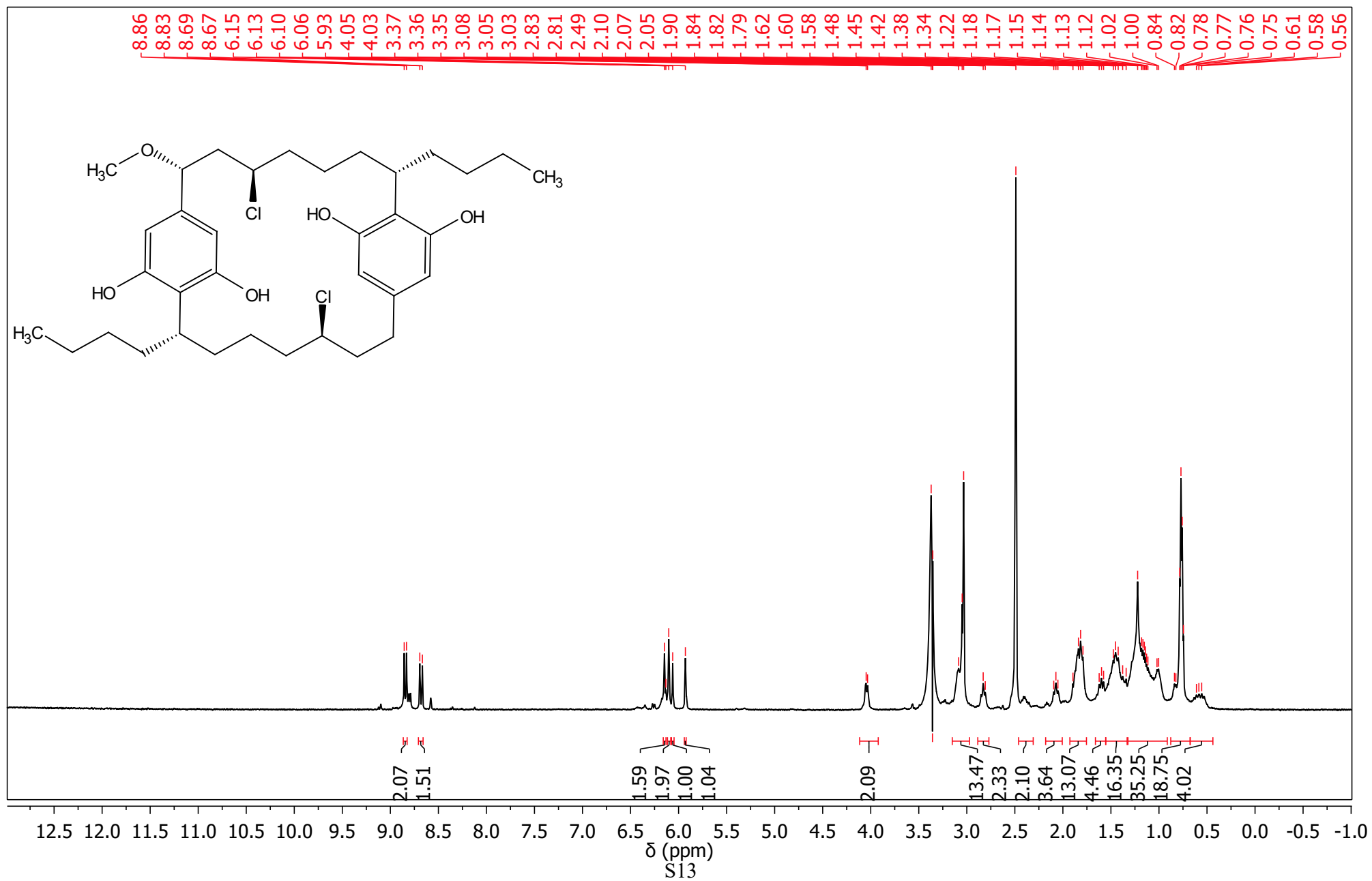


Figure S12. ^{13}C NMR Spectrum (125 MHz) of **3** in DMSO_6

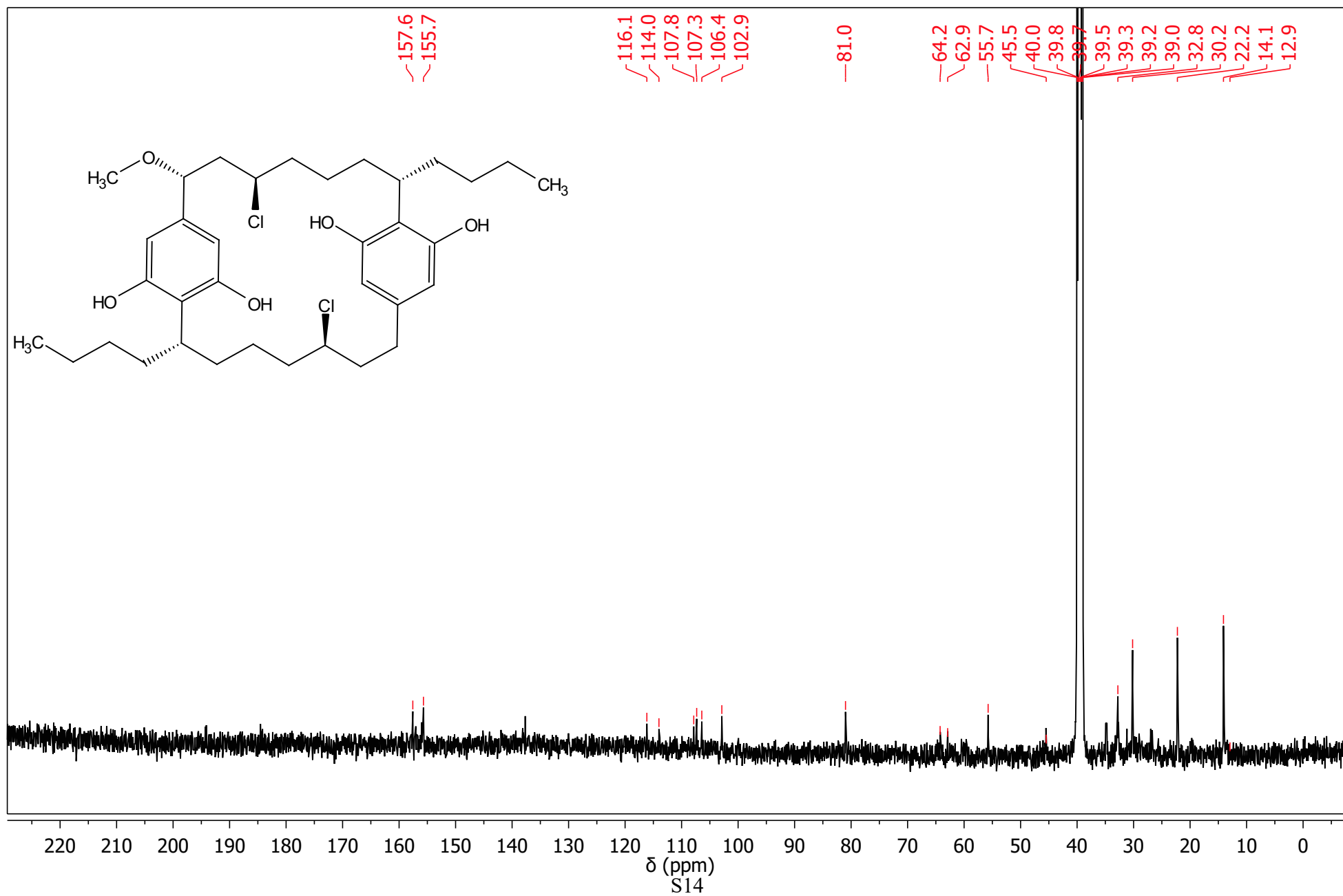


Figure S13. ^1H NMR Spectrum (500 MHz) of **4** in DMSO_6

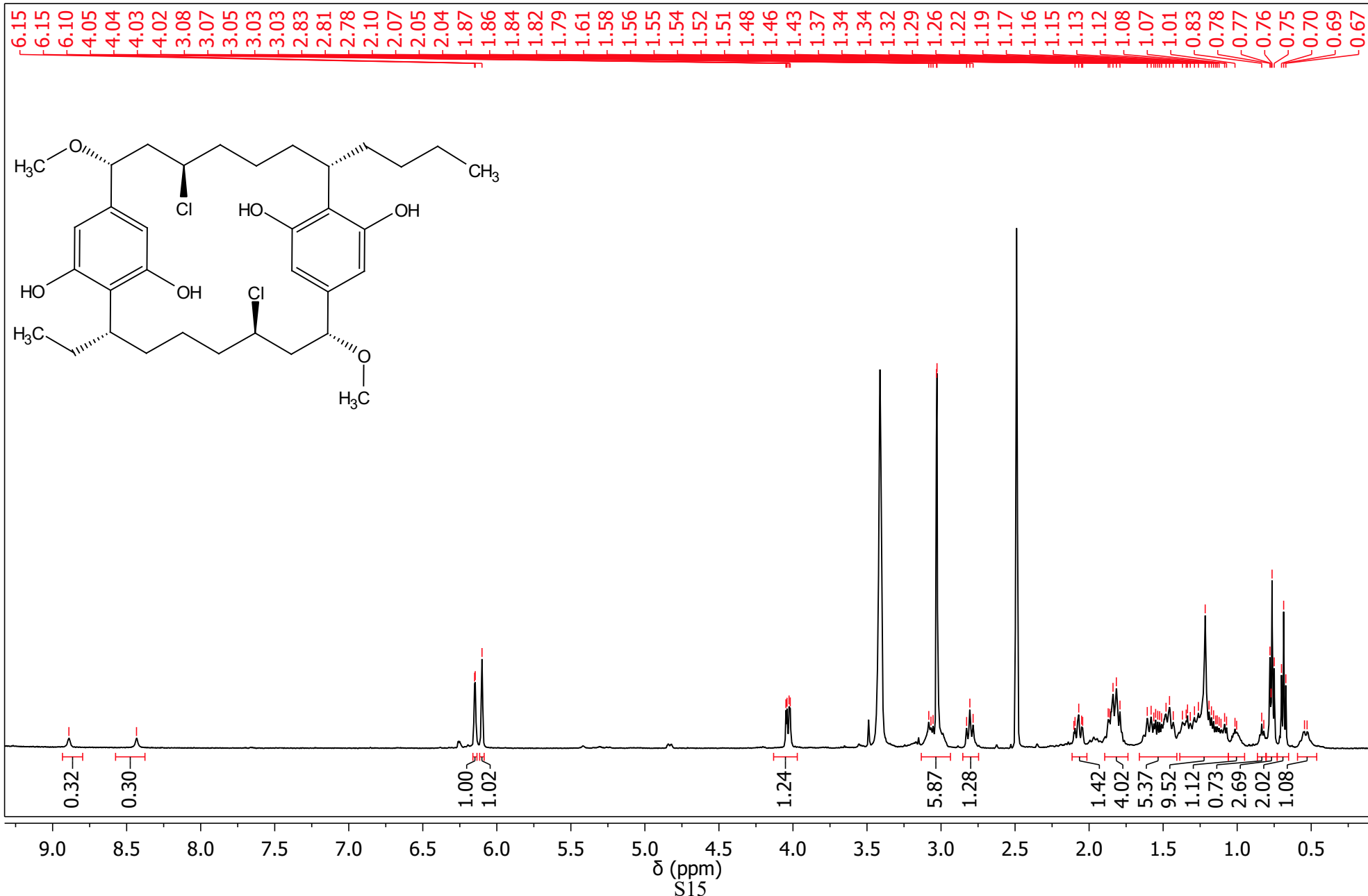


Figure S14. ^{13}C NMR Spectrum (125 MHz) of **4** in DMSO_6

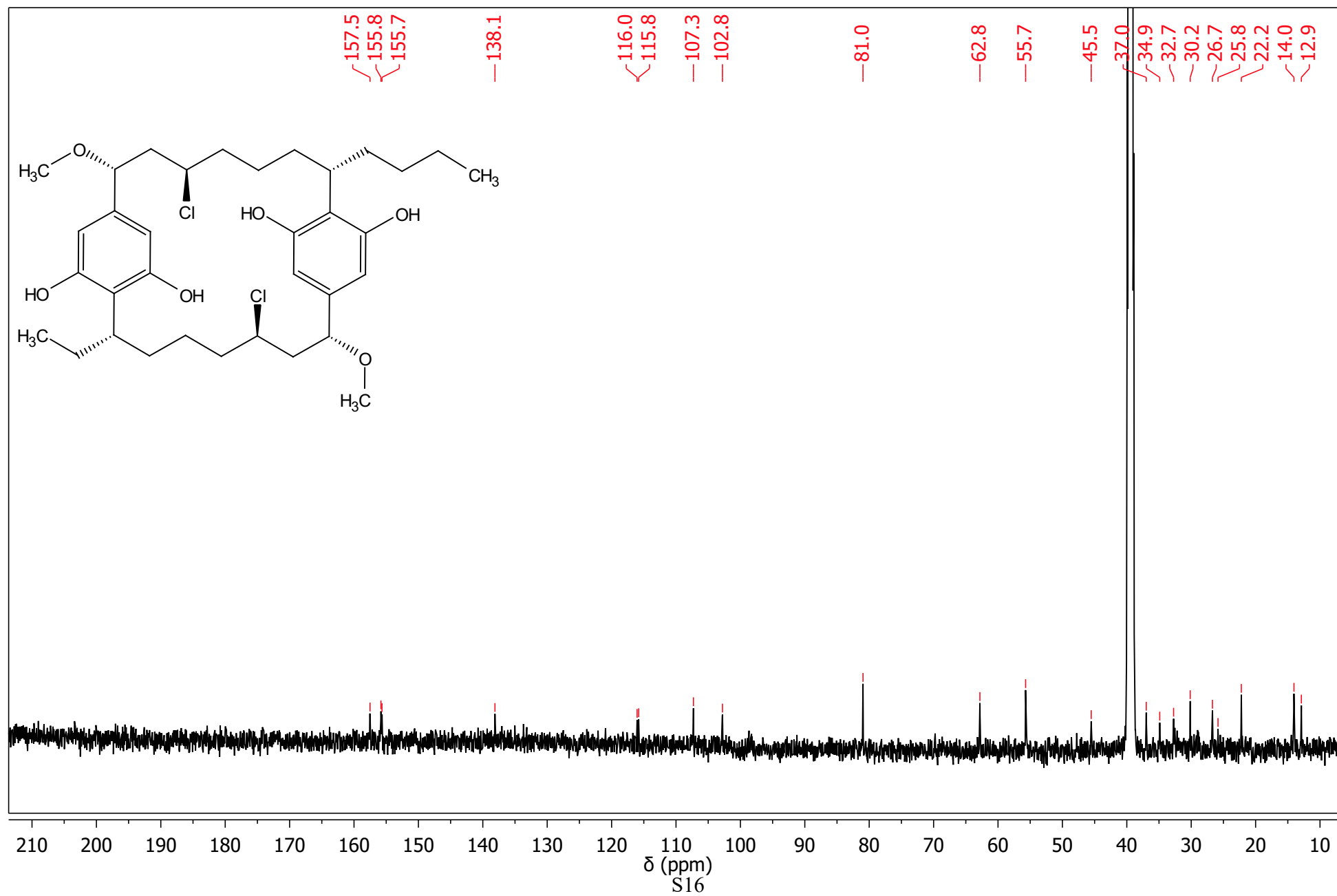


Figure S15. HSQC NMR Spectrum (500 MHz) of **4** in DMSO₆

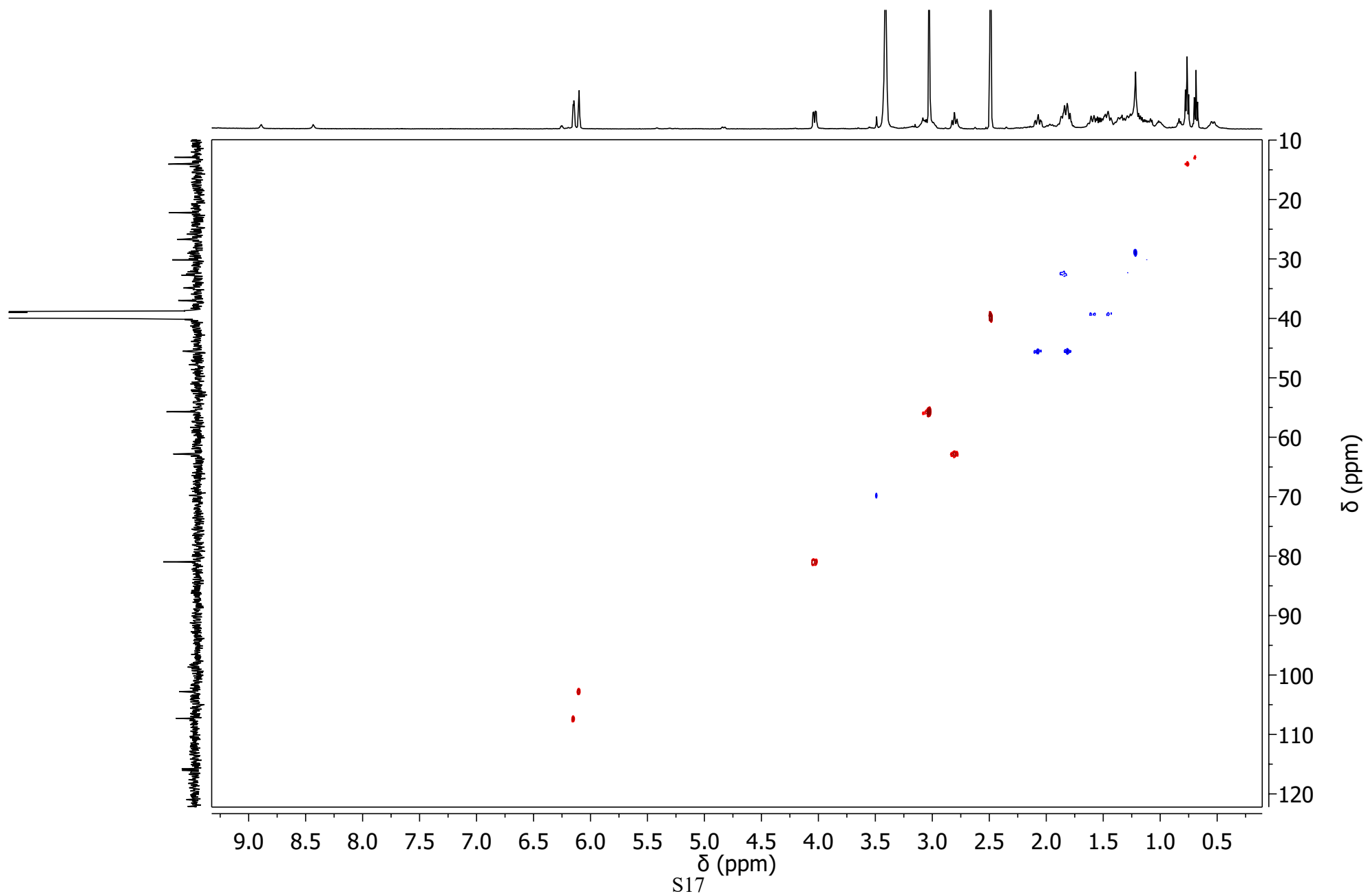


Figure S16. COSY NMR Spectrum (500 MHz) of **4** in DMSO₆

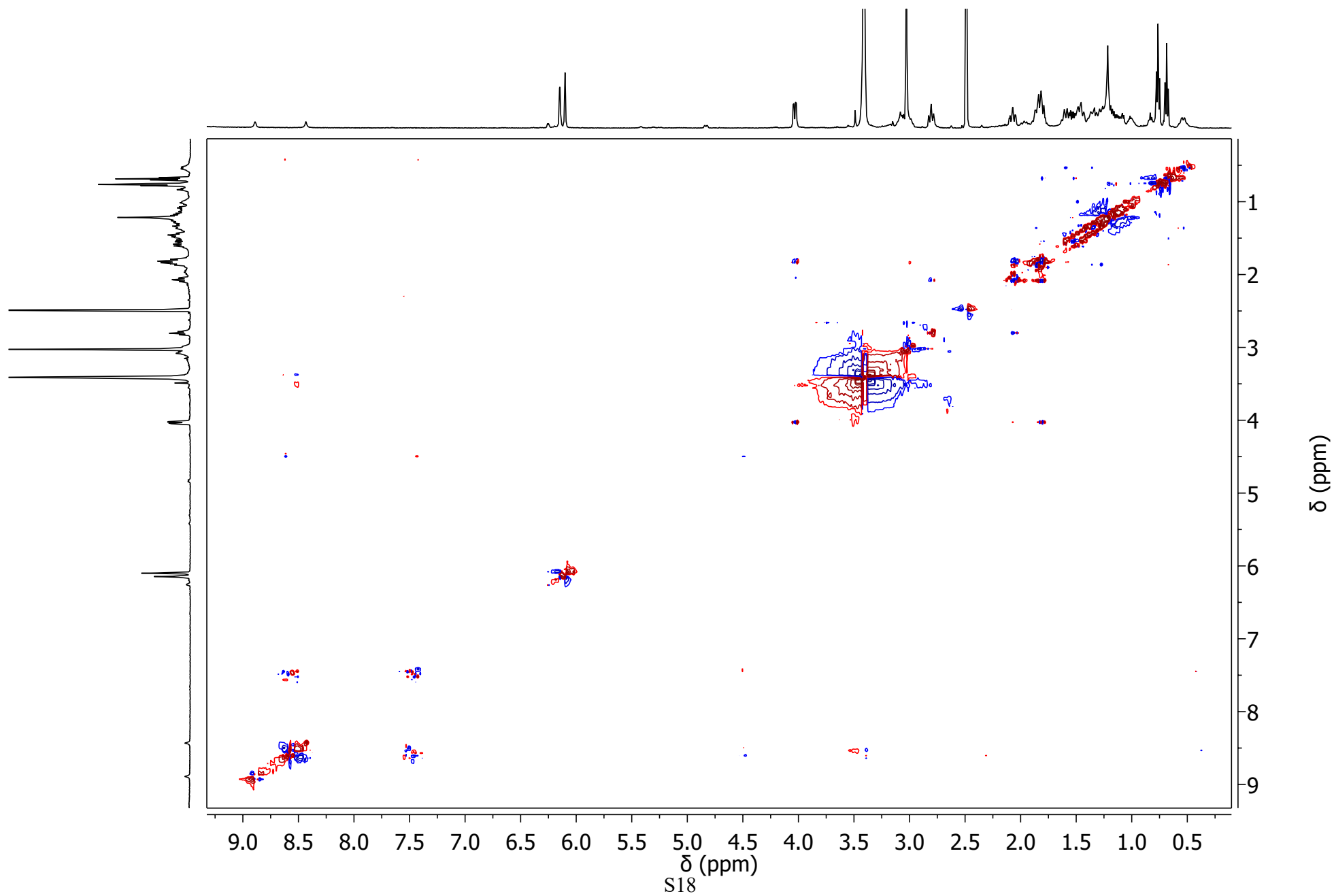


Figure S17. HMBC Spectrum (500 MHz) of **4** in DMSO₆

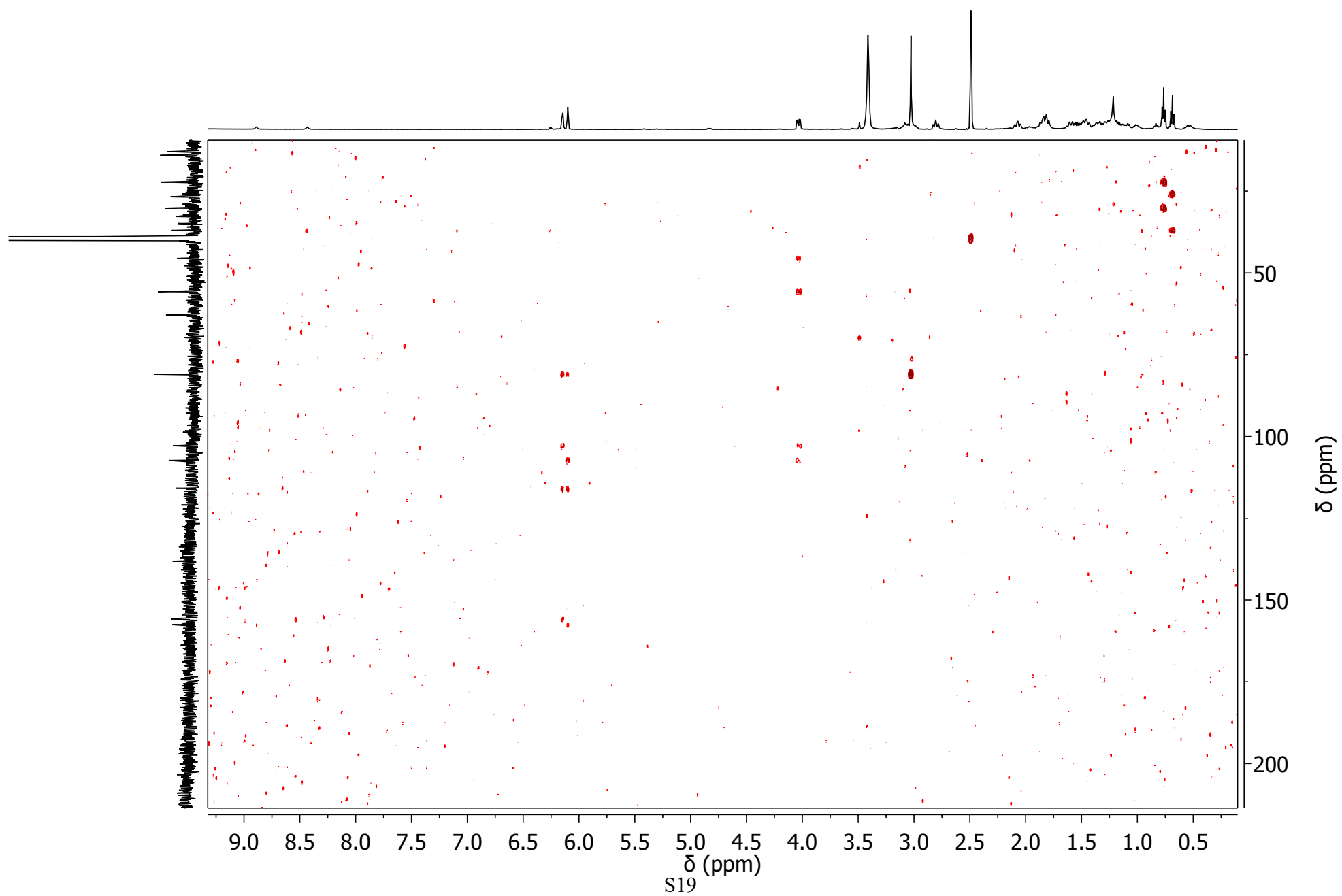


Figure S18. ^1H NMR Spectrum (500 MHz) of **5** in DMSO_6

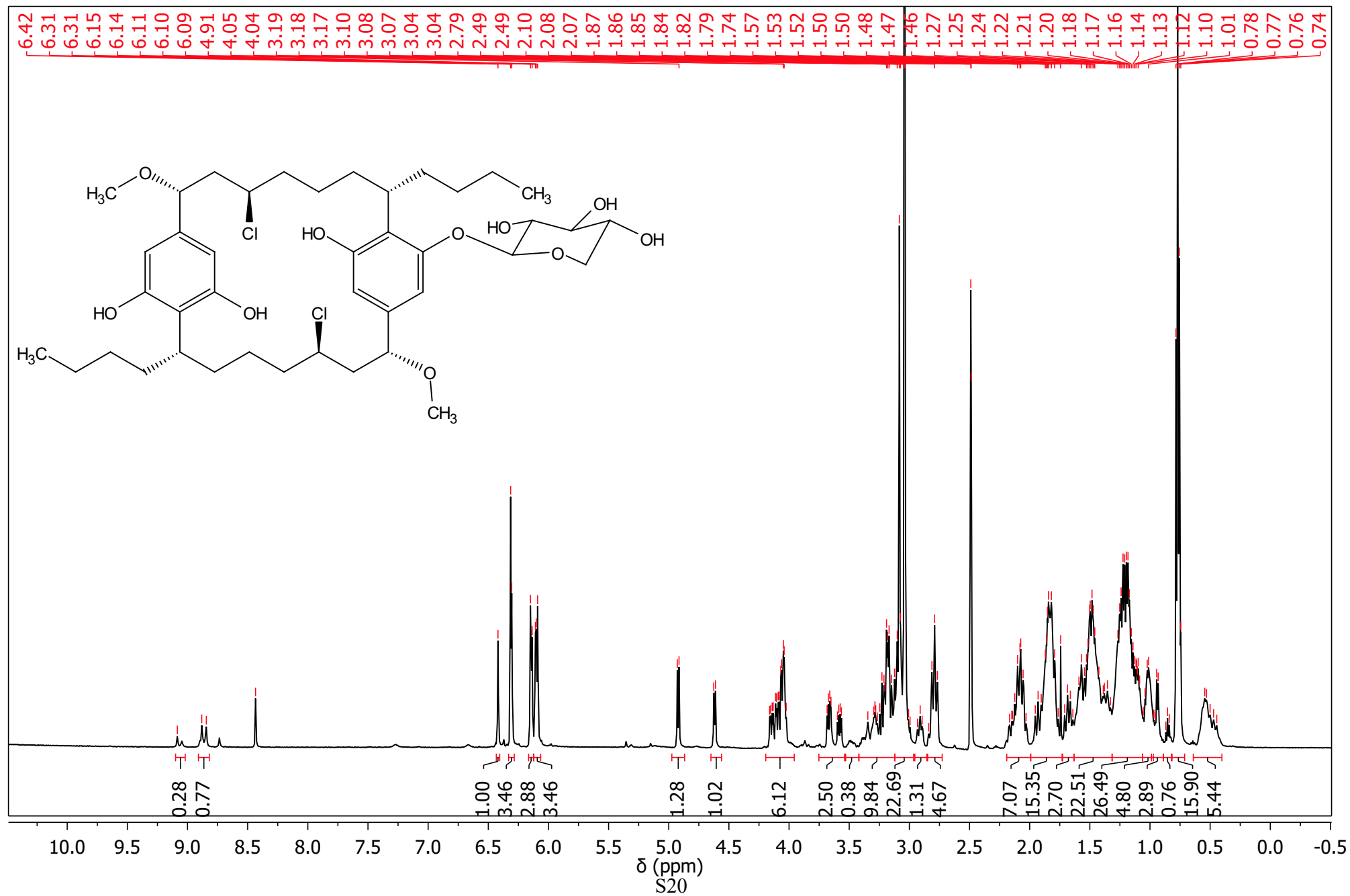


Figure S19. ^{13}C NMR Spectrum (500 MHz) of **5** in DMSO_6

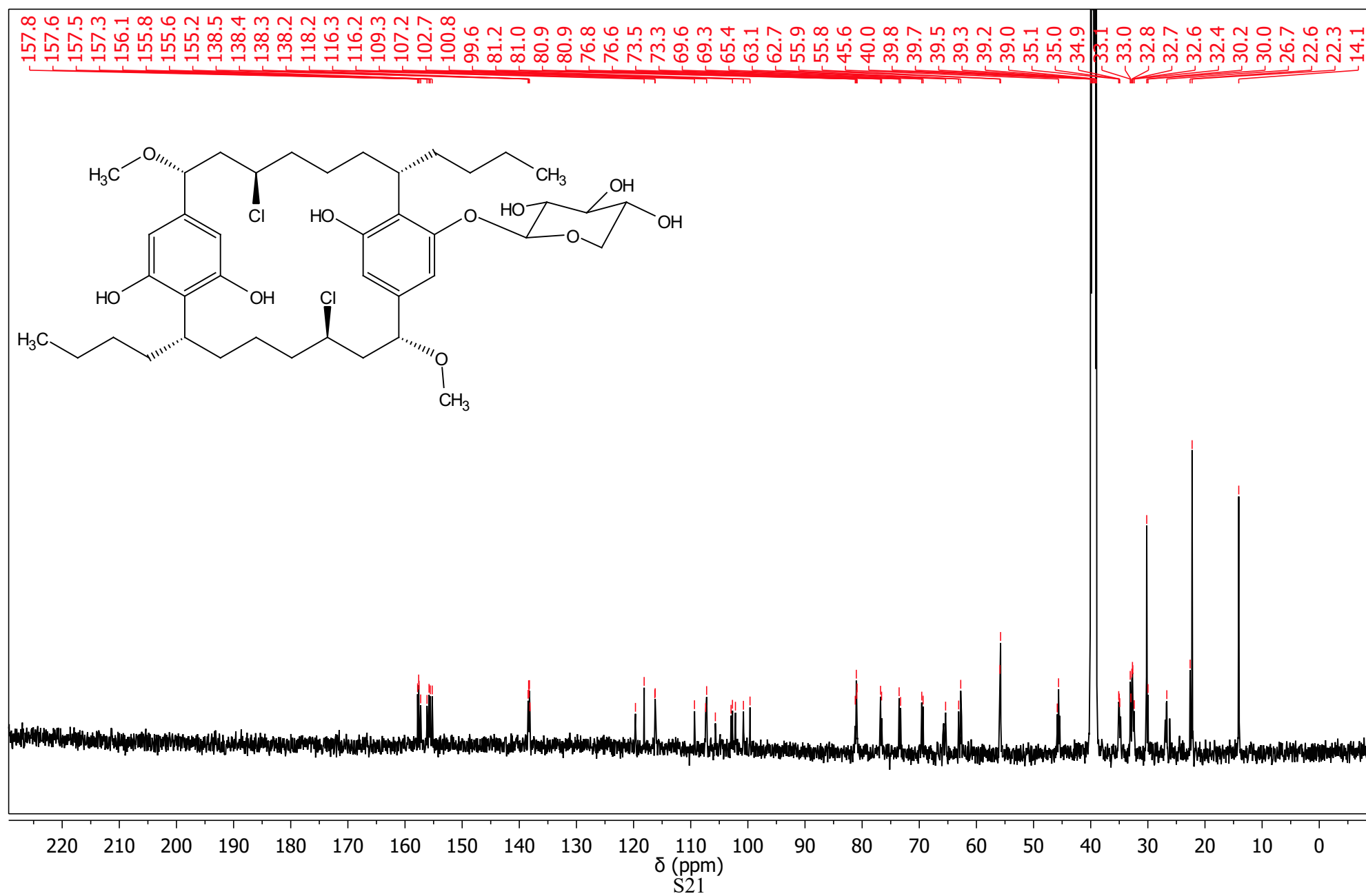


Figure S20. ^1H NMR Spectrum (500 MHz) of **6** in CDCl_3

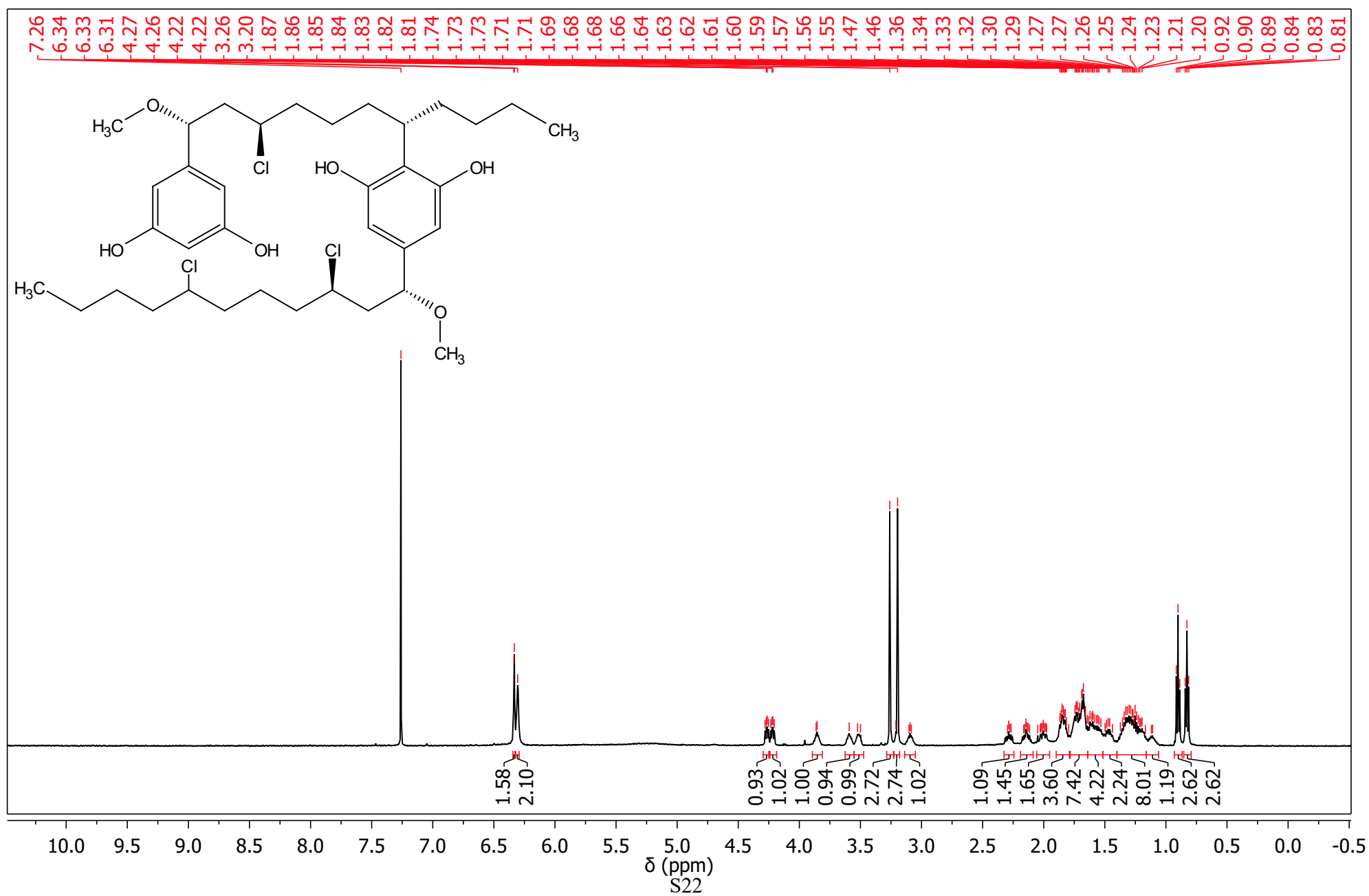


Figure S21. ^{13}C NMR Spectrum (125 MHz) of **6** in CDCl_3

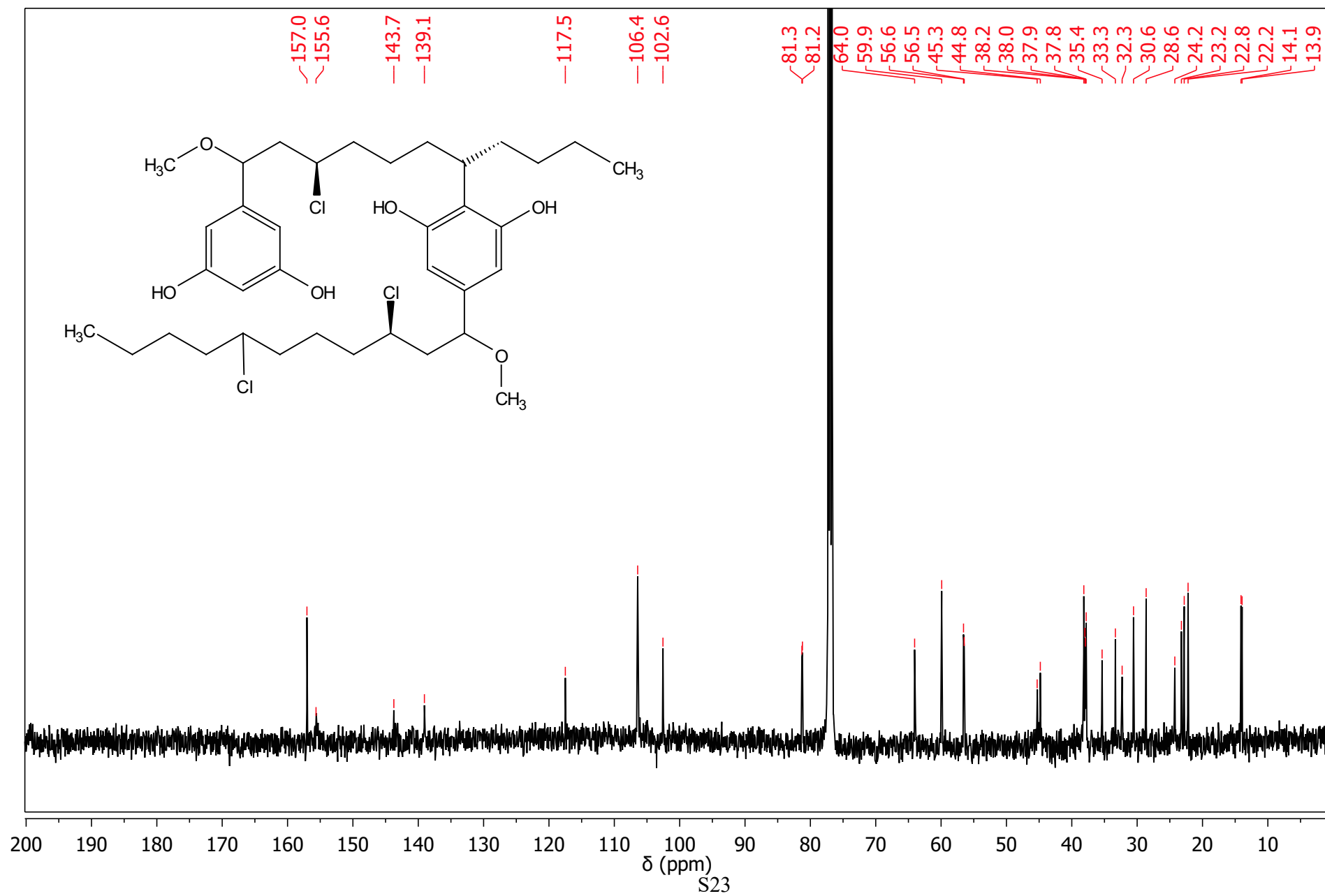


Figure S22. HSQC NMR Spectrum (500 MHz) of **6** in CDCl₃

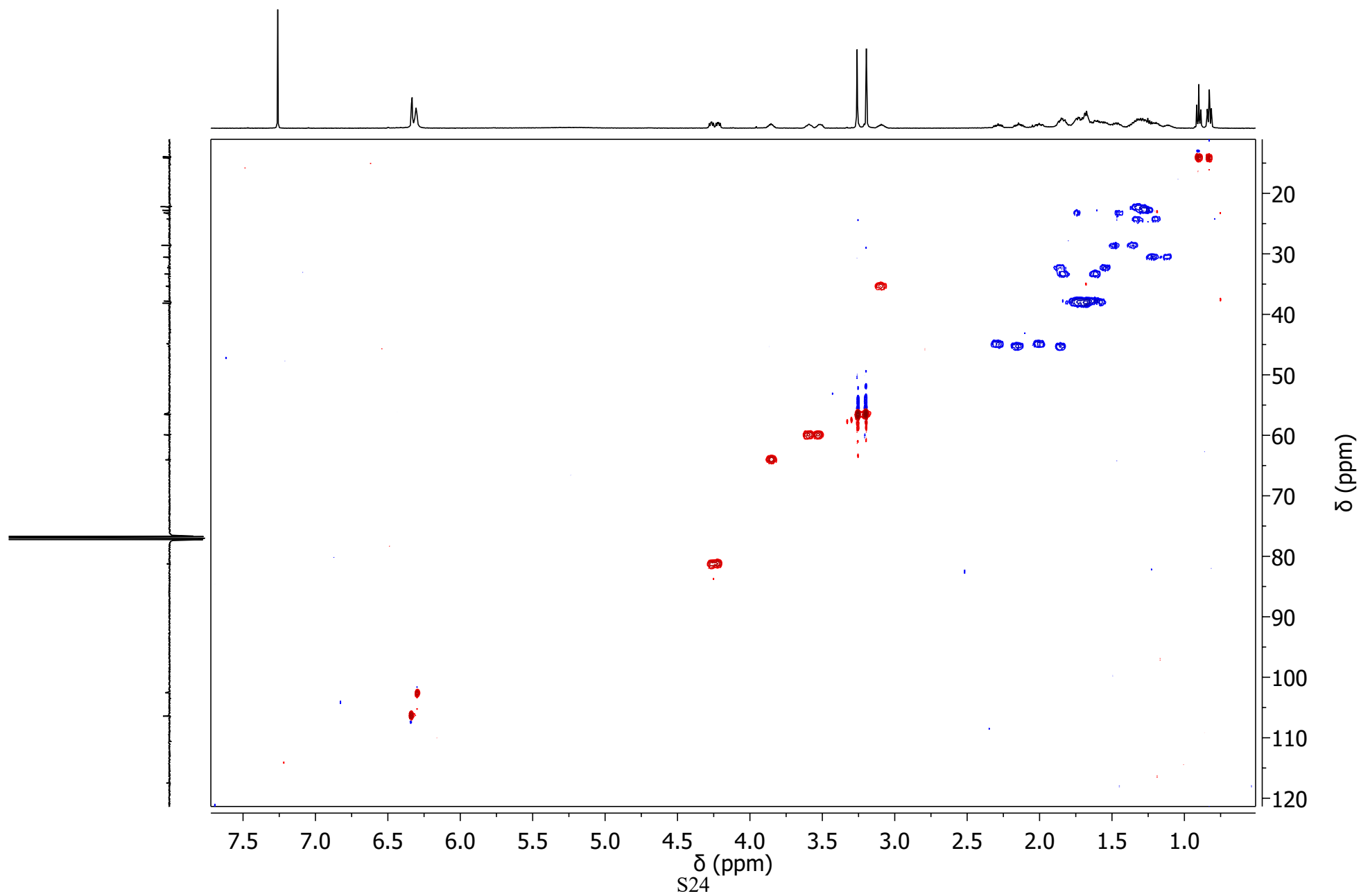


Figure S23. COSY NMR Spectrum (500 MHz) of **6** in CDCl₃

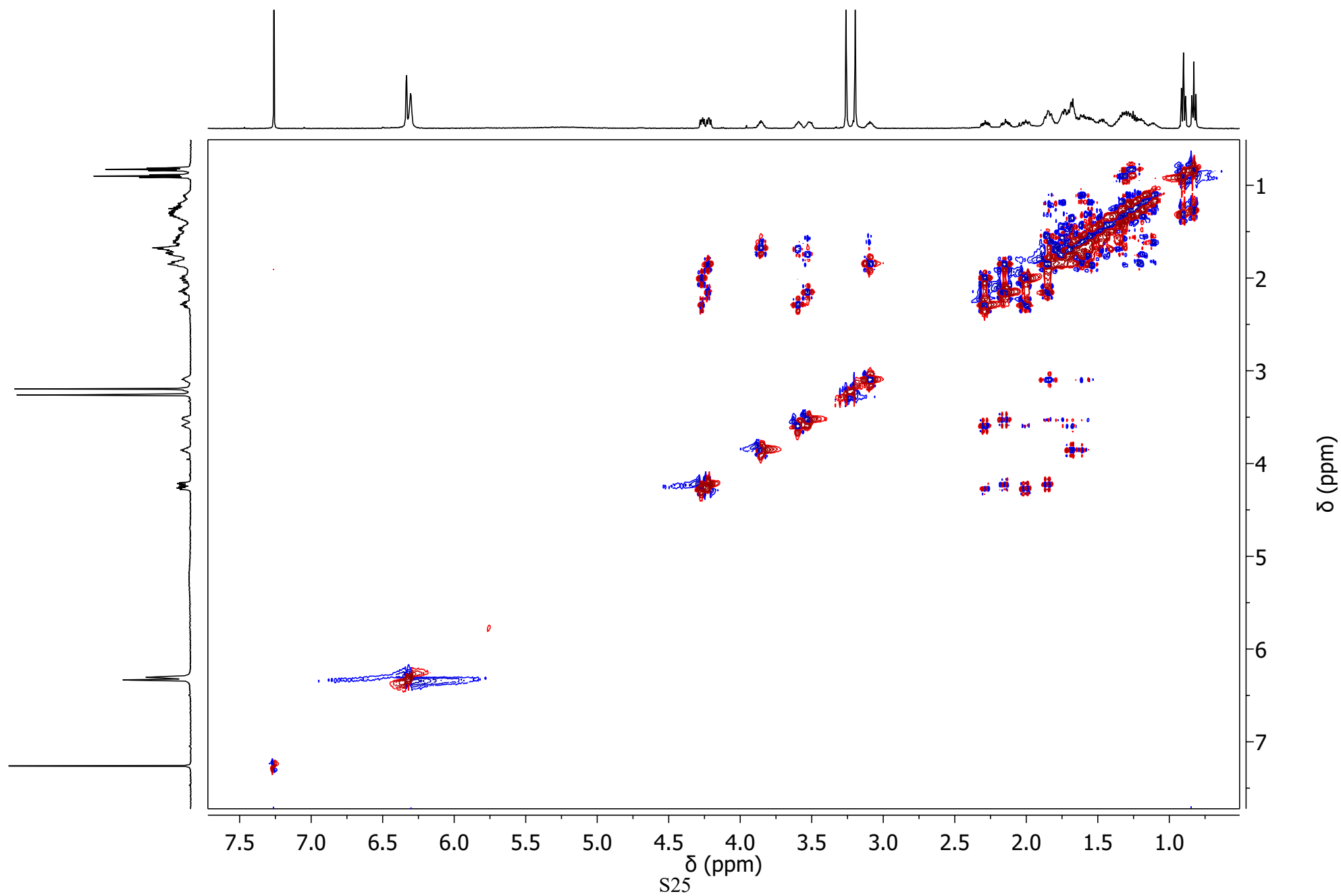


Figure S24. HMBC Spectrum (500 MHz) of **6** in CDCl₃

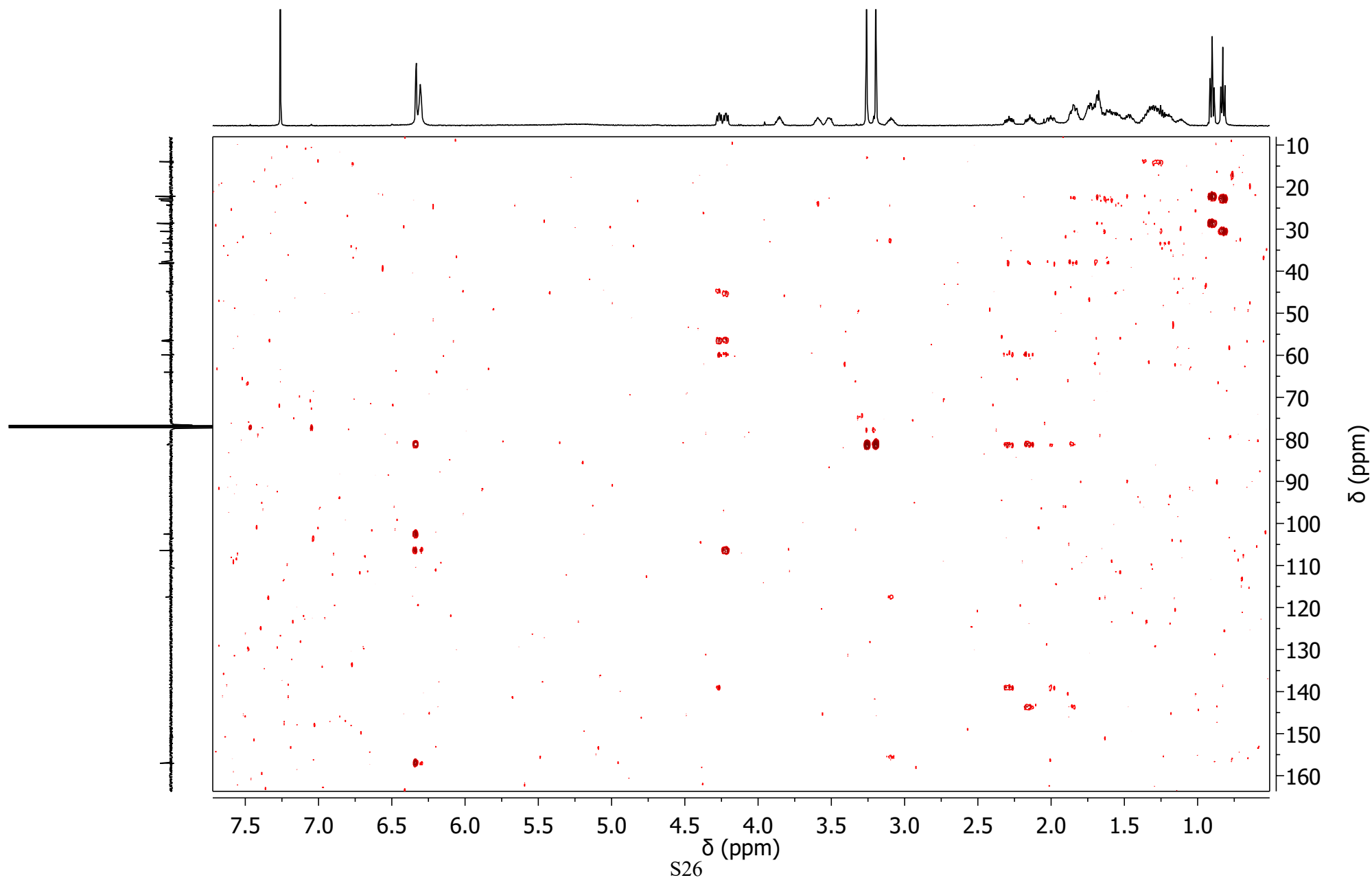


Figure S25. ^1H NMR Spectrum (500 MHz) of **6** in DMSO_6

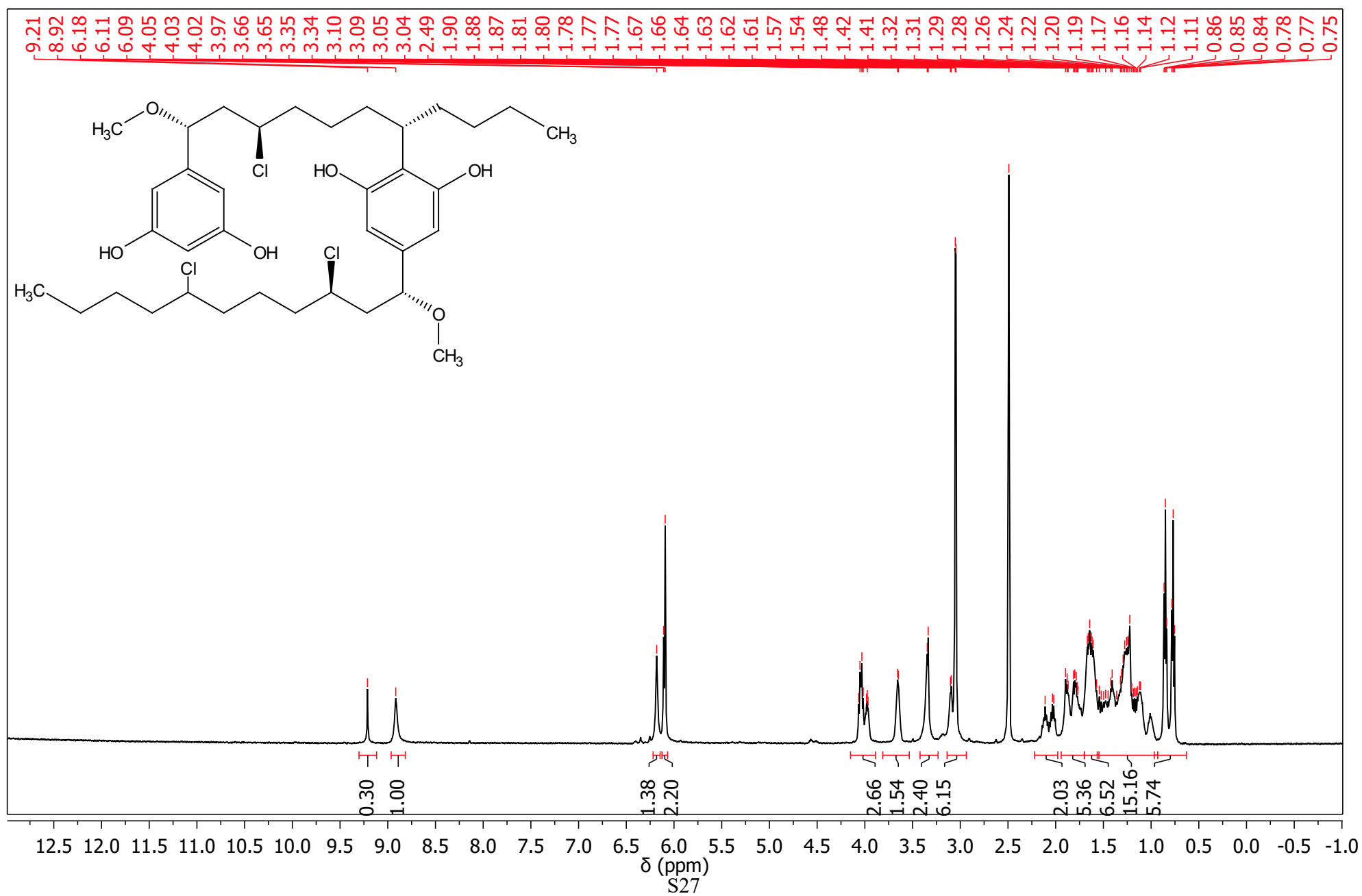


Figure S26. ^{13}C NMR Spectrum (125 MHz) of **6** in DMSO_6

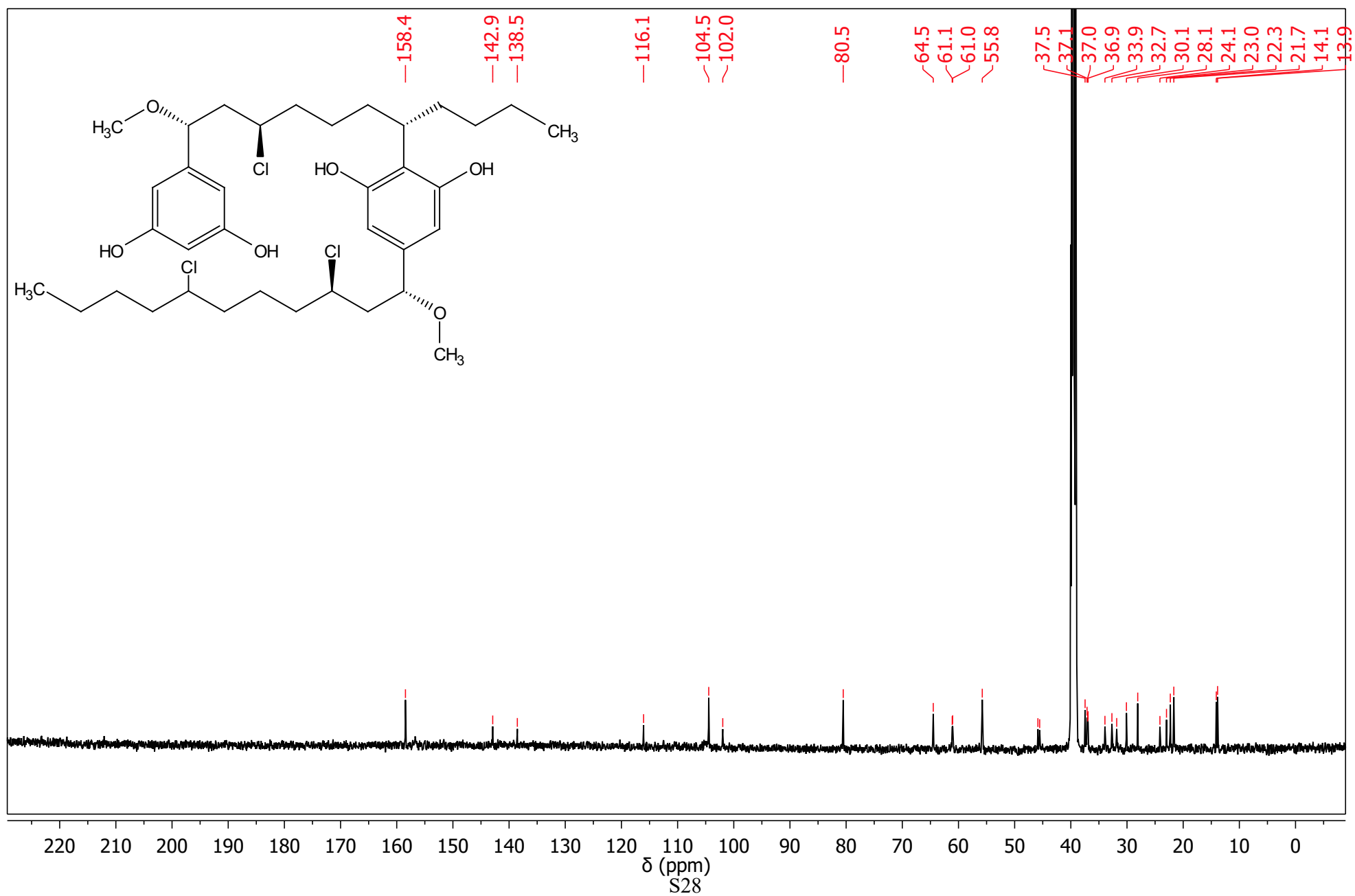


Figure S27. HR-ESI-MS Spectrum of **1**

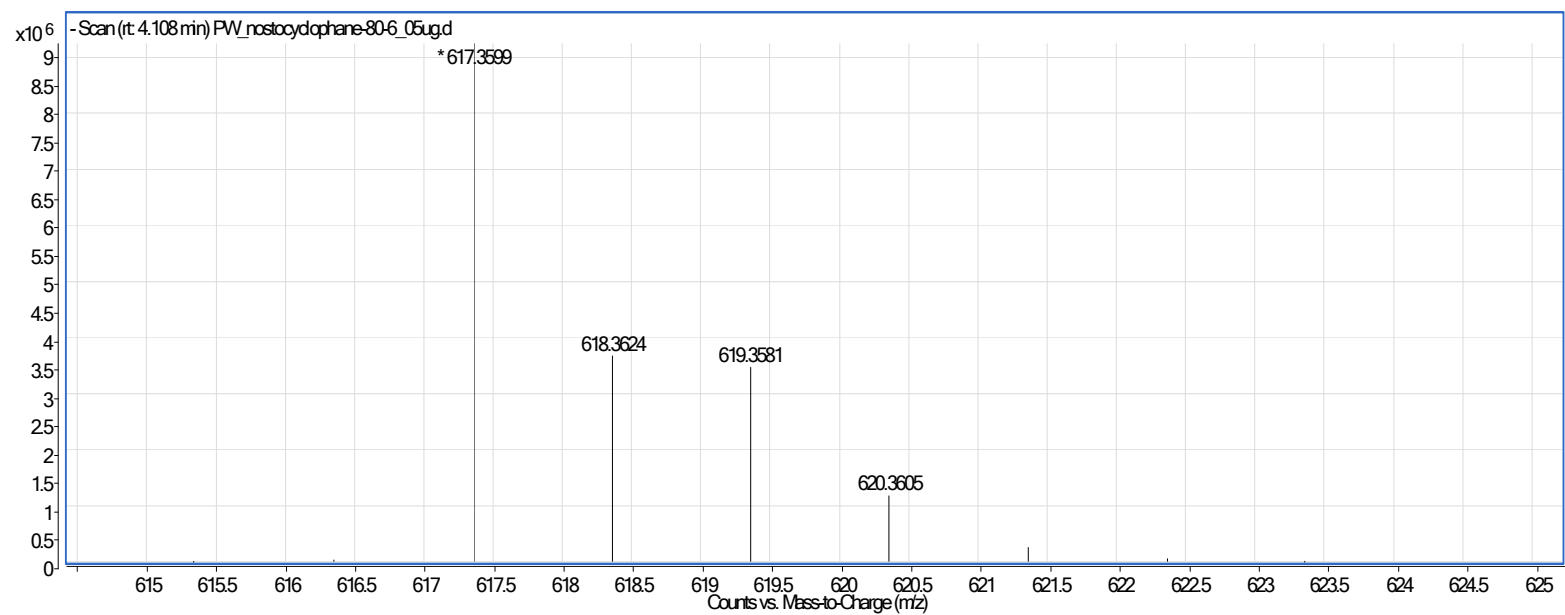
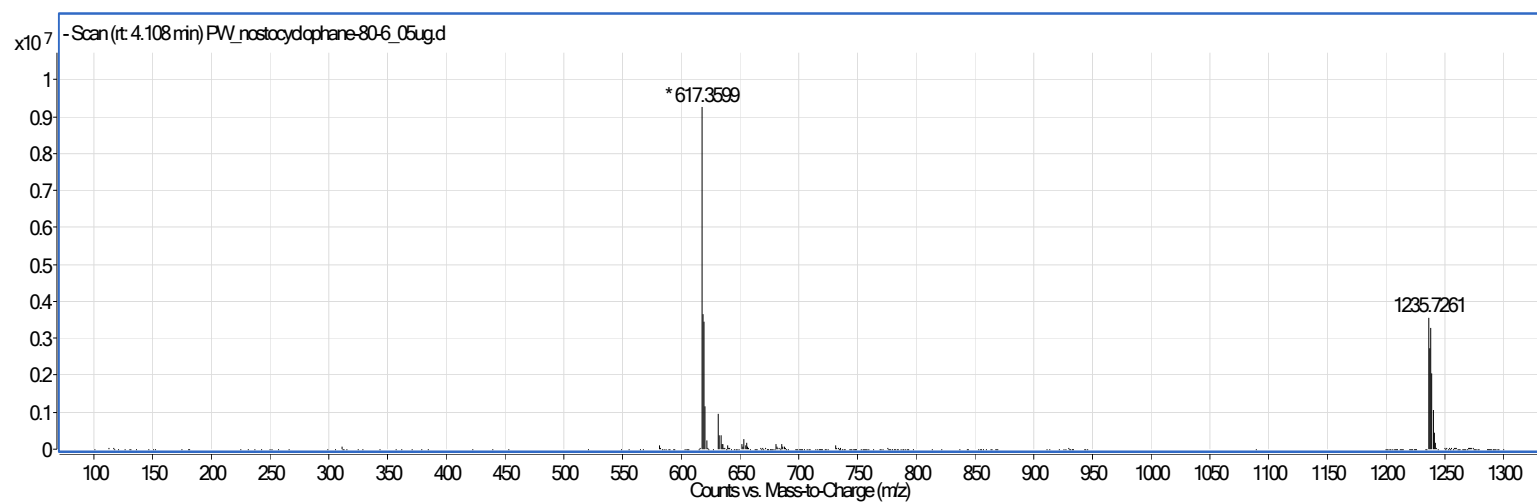


Figure S28. HR-ESI-MS Spectrum of **2**

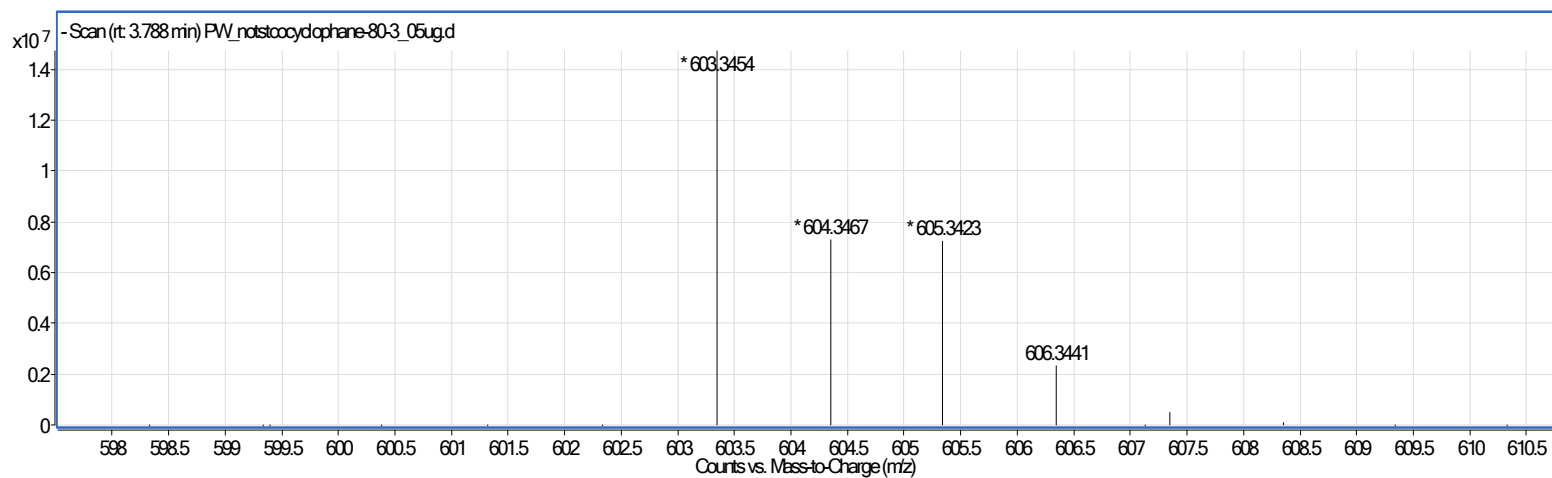
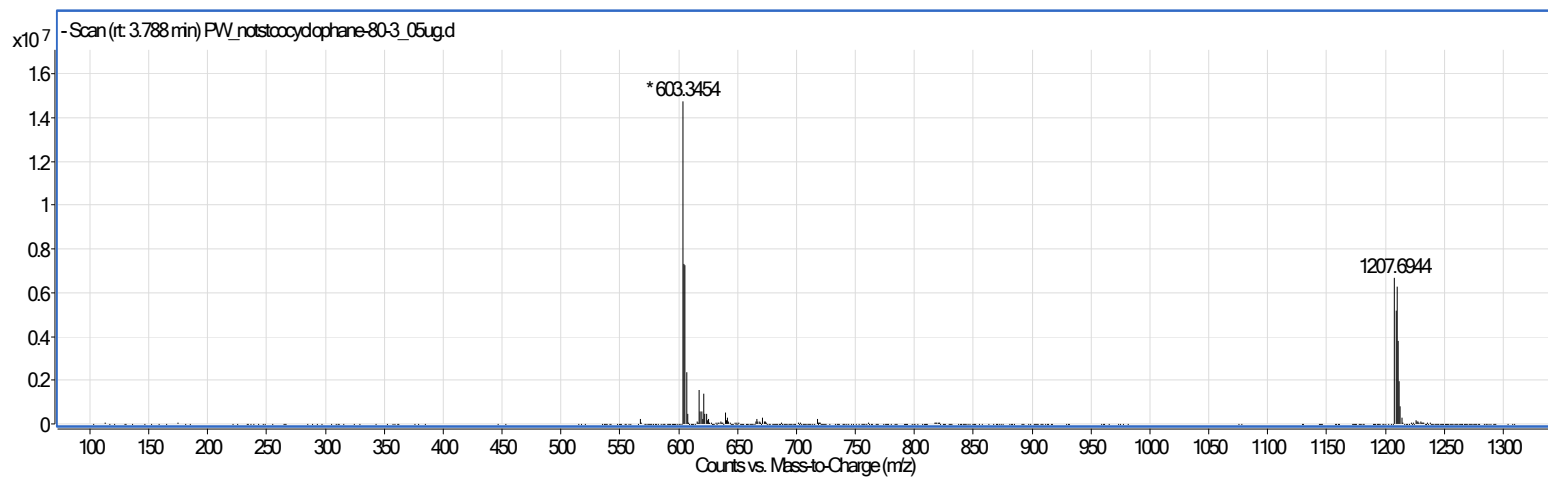


Figure S29. HR-ESI-MS Spectrum of **3**

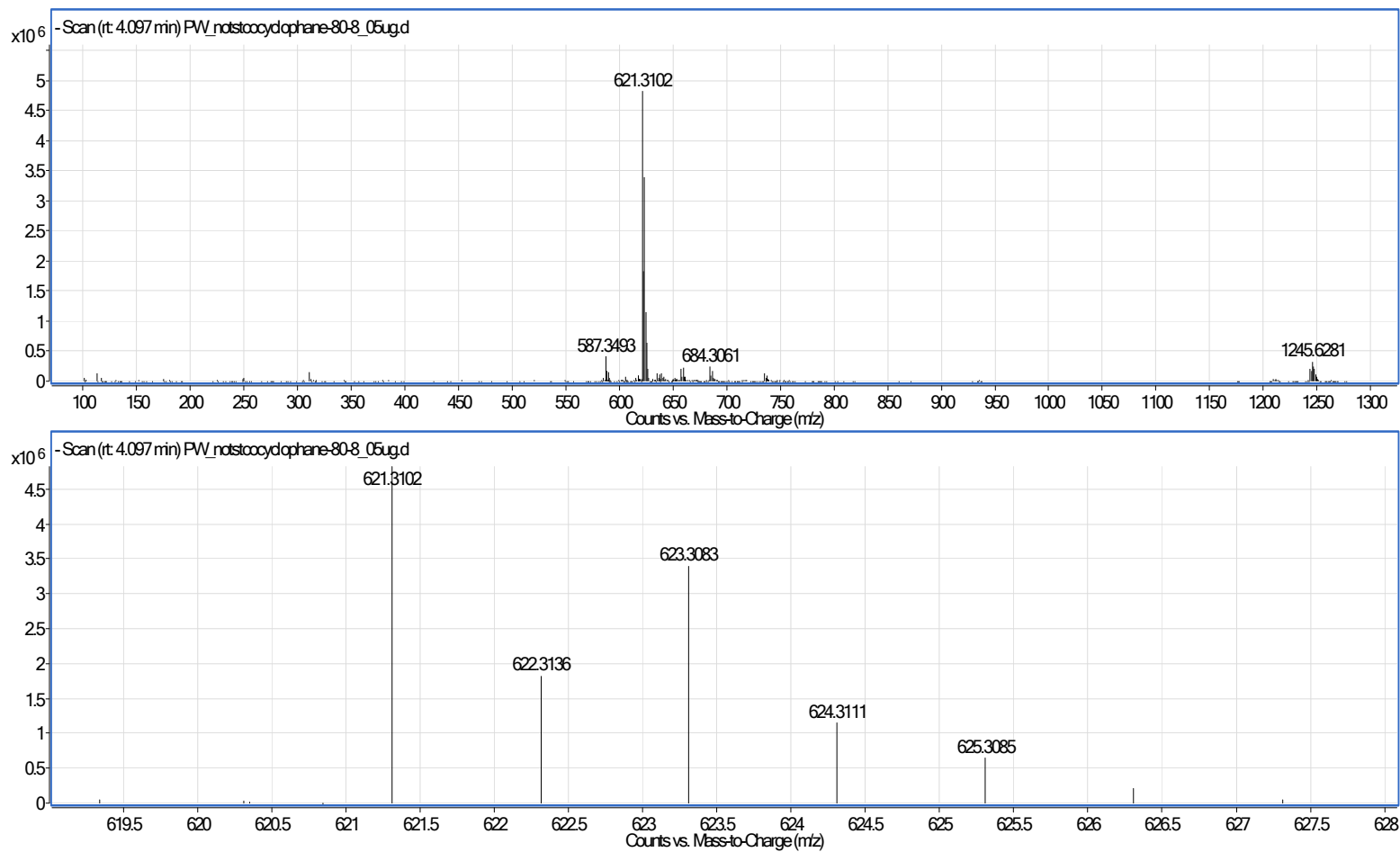


Figure S30. HR-ESI-MS Spectrum of **4**

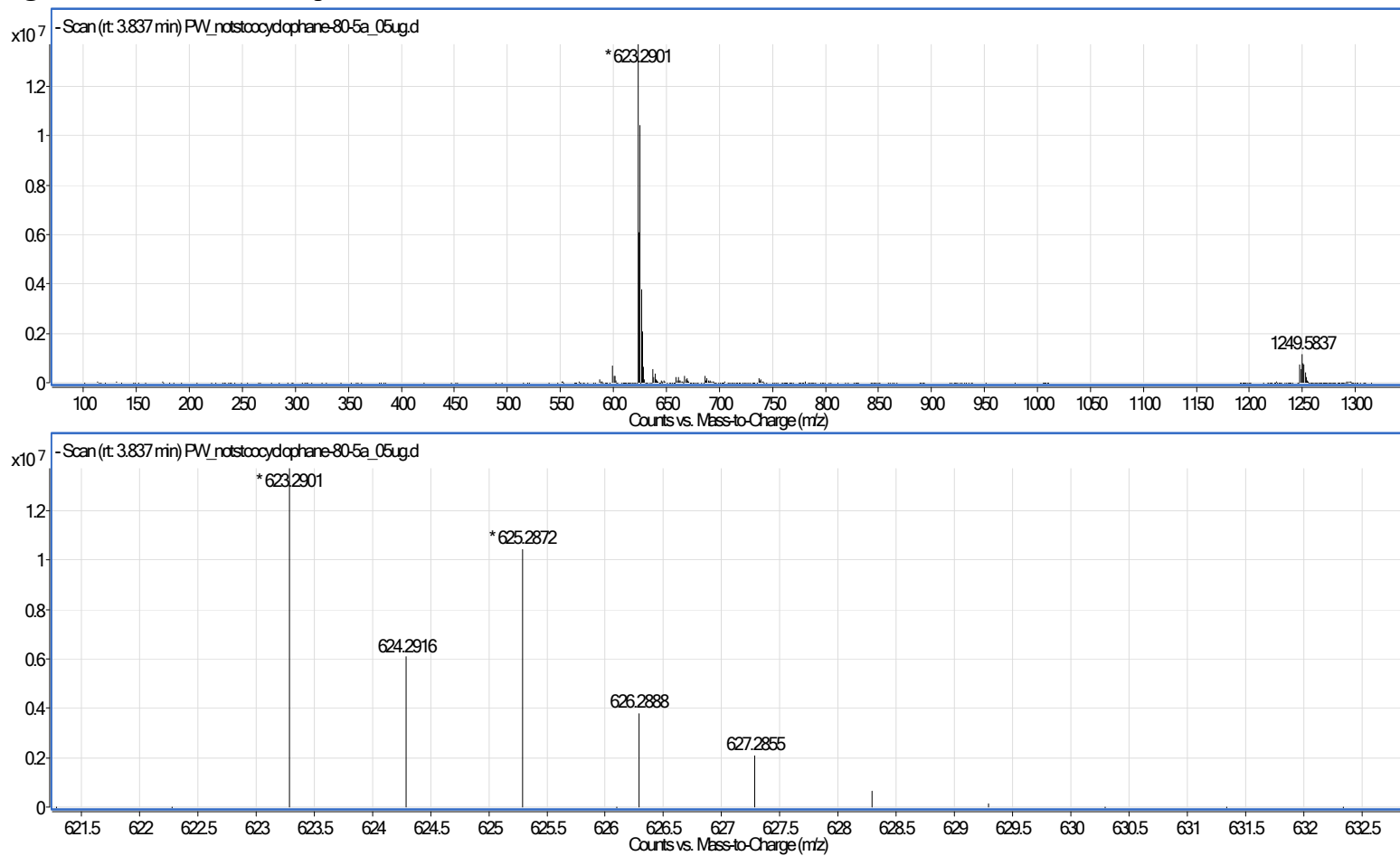


Figure S31. HR-ESI-MS Spectrum of **5**

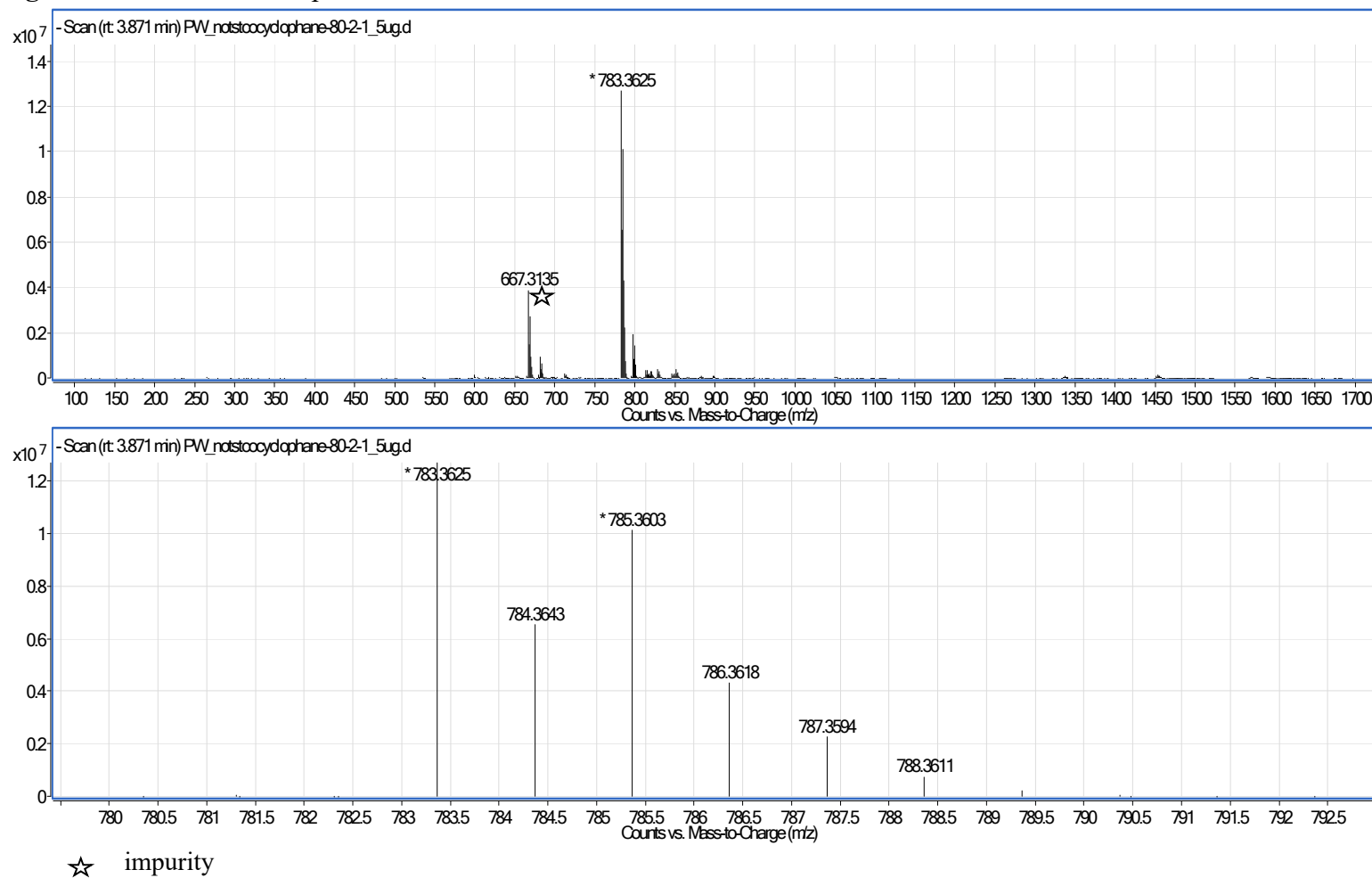


Figure S32. HR-ESI-MS Spectrum of **6**

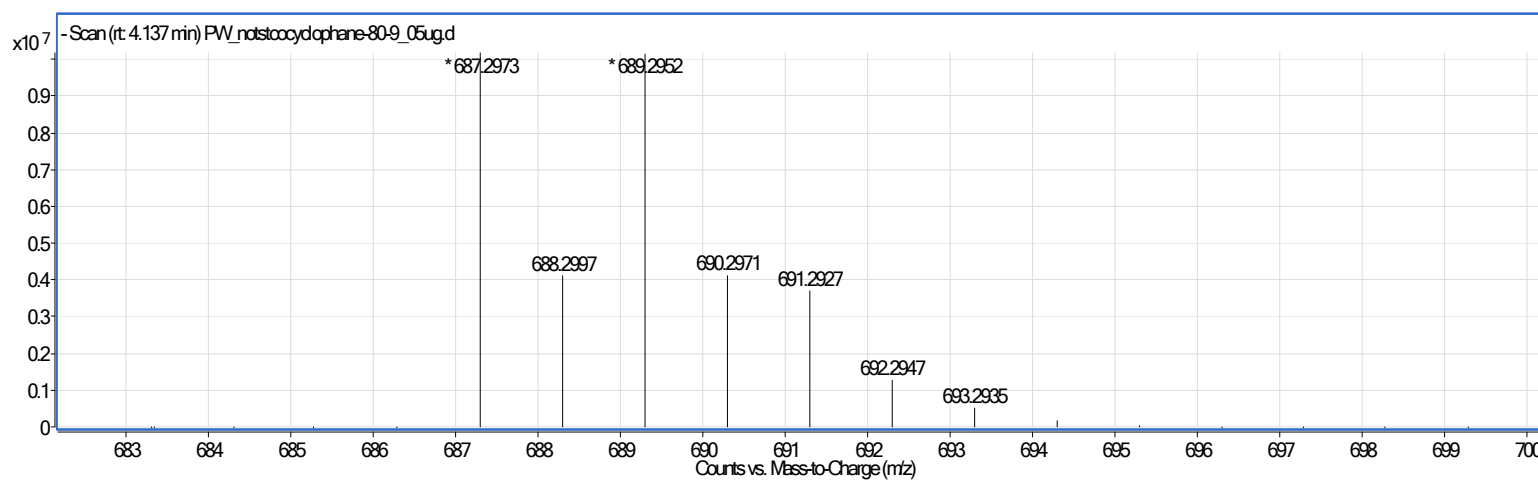
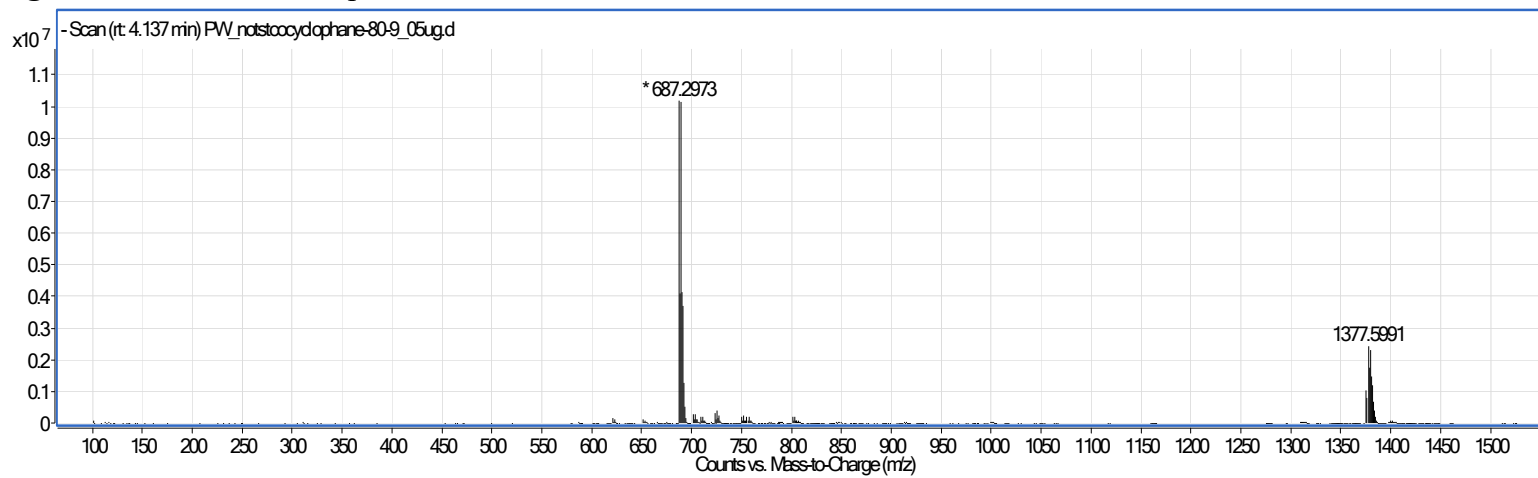
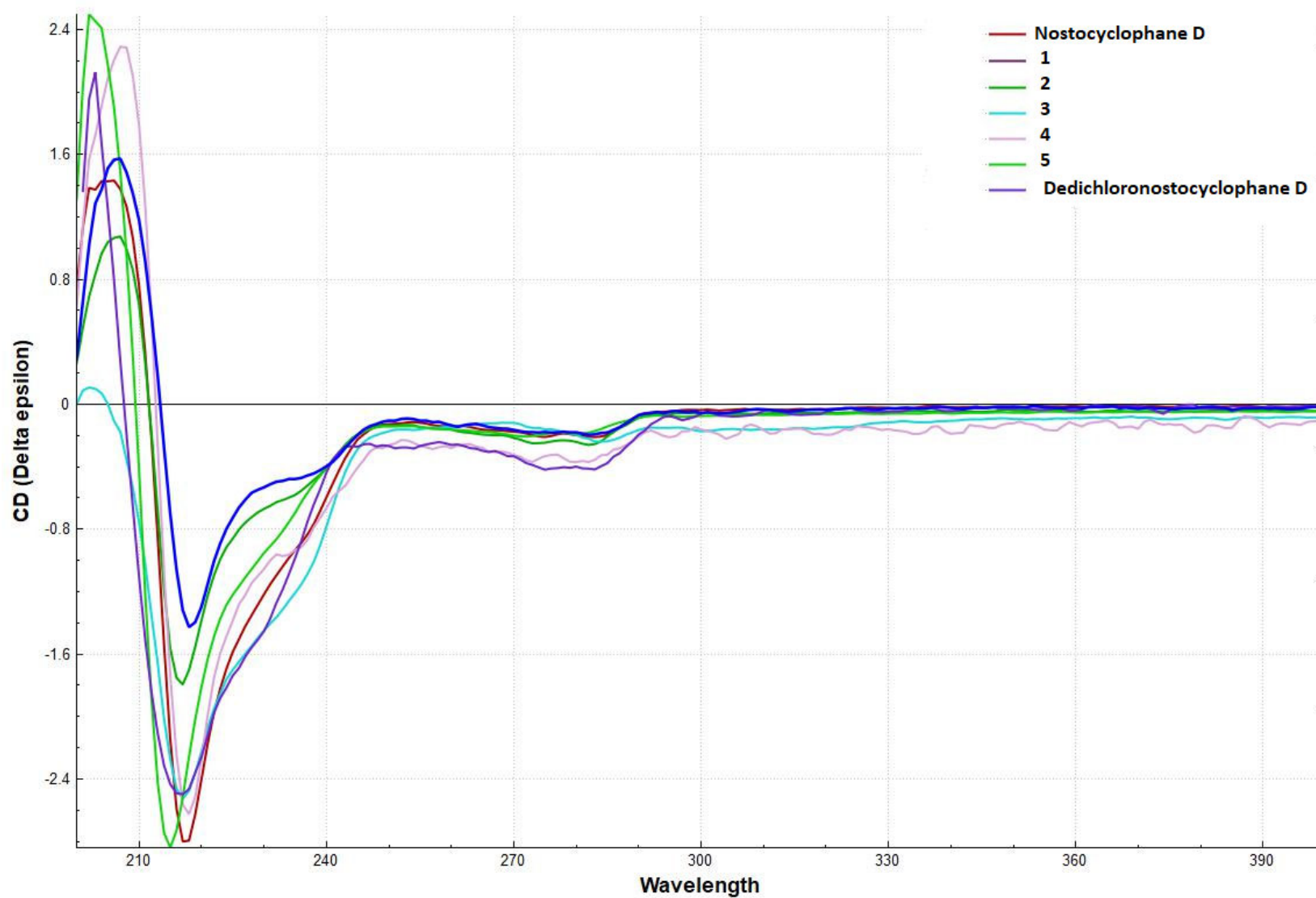


Figure S33. Electronic Circular Dichroism Spectra (MeOH) of Nostocyclophane D, Dedichloronostocyclophane D, and 1-5



Spectra for compounds 2-5 have been scaled (amplitude increased) to make the comparison easier.

Figure S34. Electronic Circular Dichroism Spectra (MeOH) of 6

