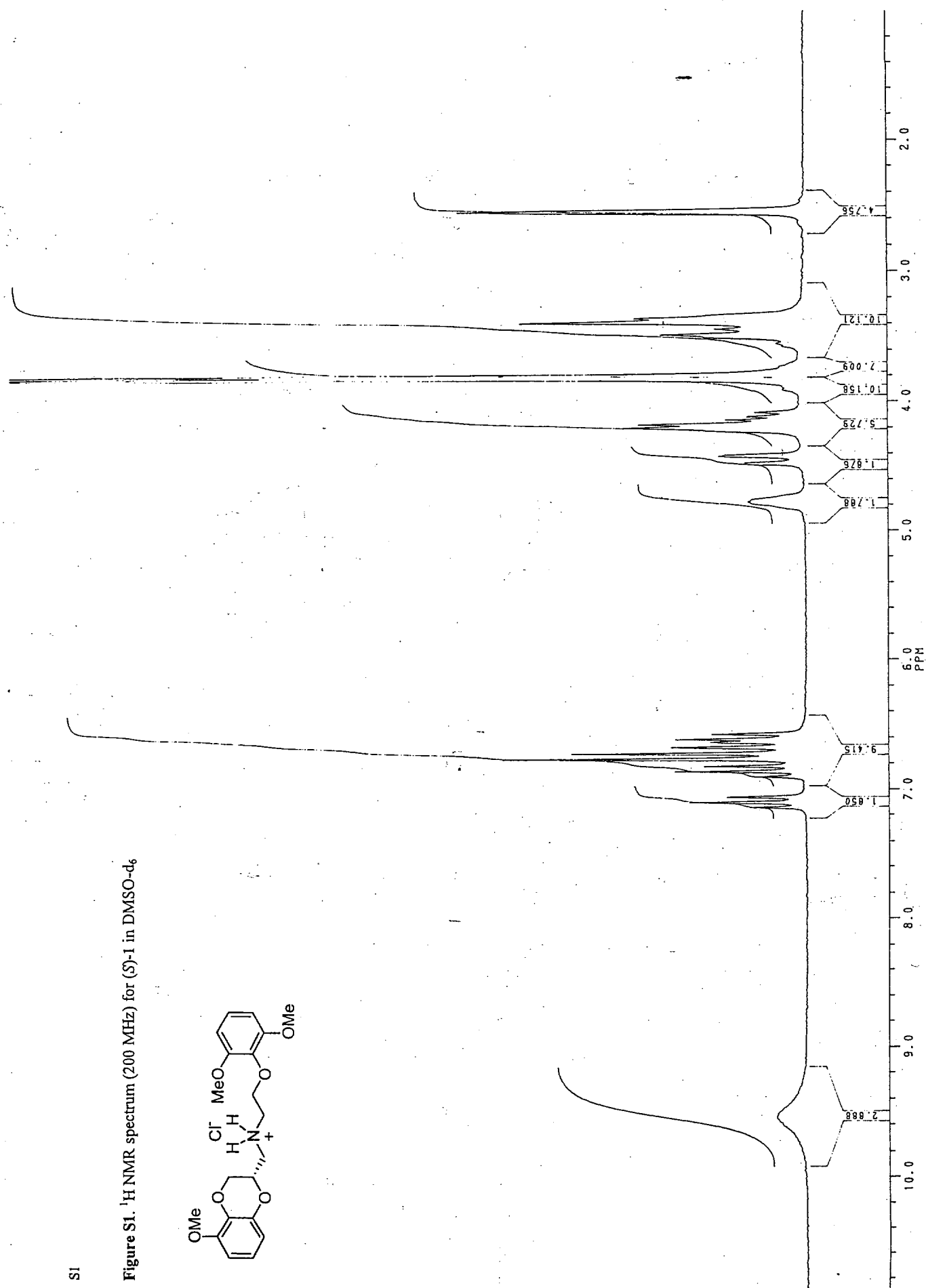
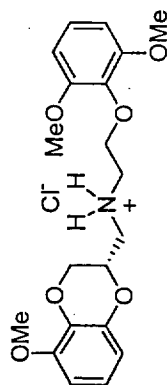


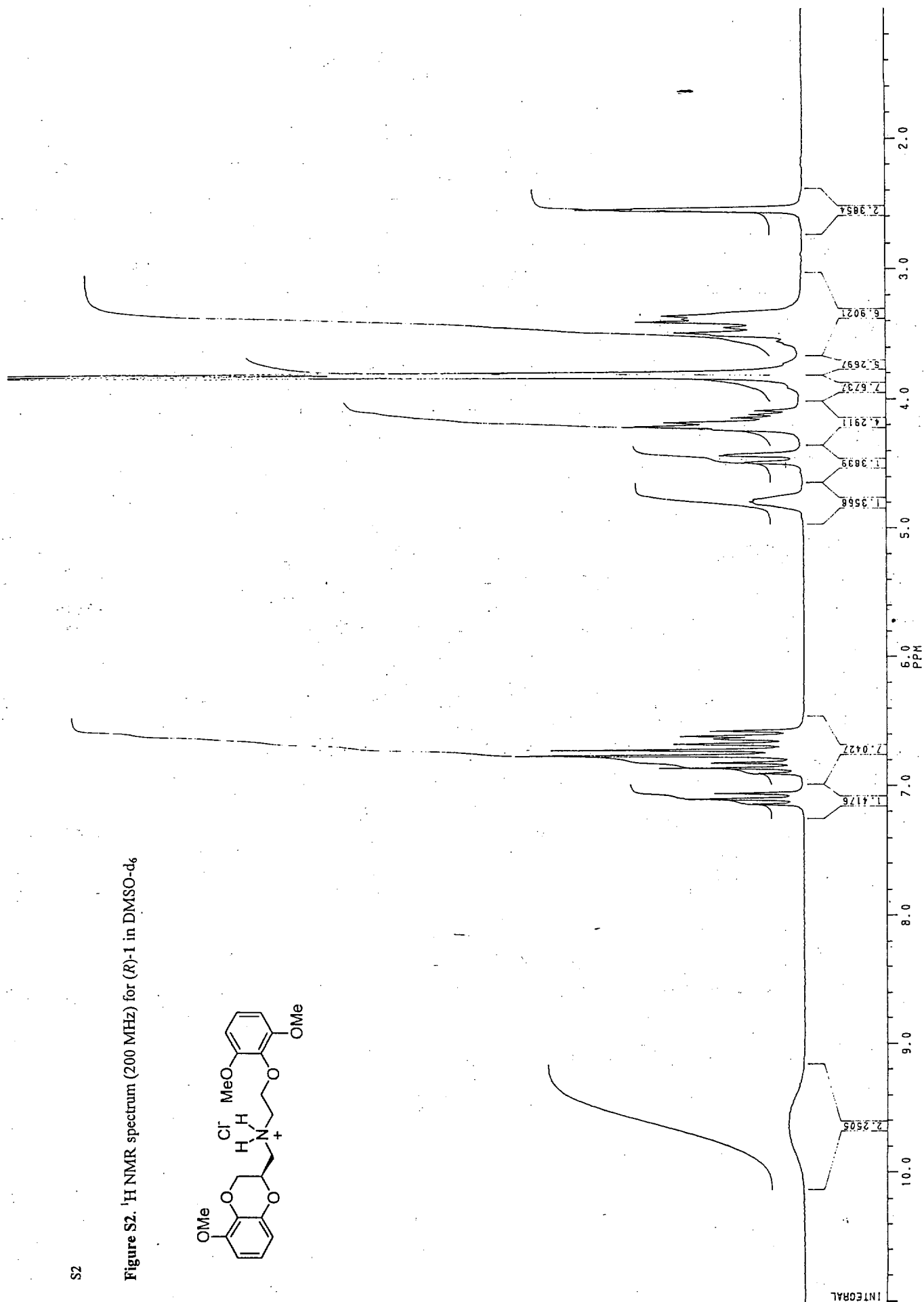
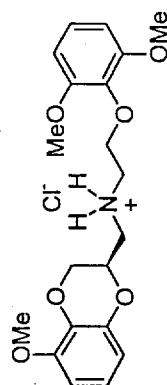
S1

Figure S1. ¹H NMR spectrum (200 MHz) for (S)-1 in DMSO-d₆



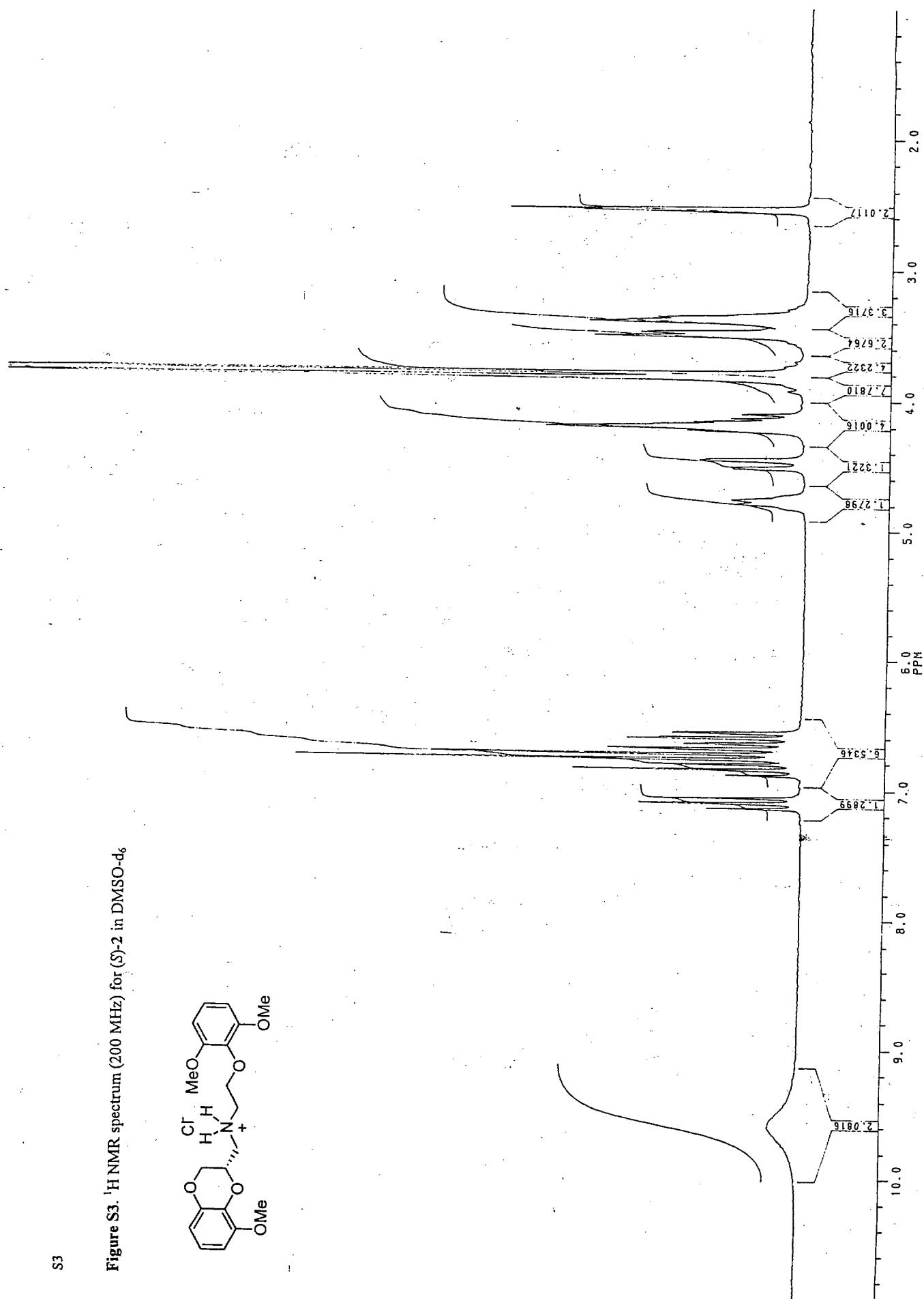
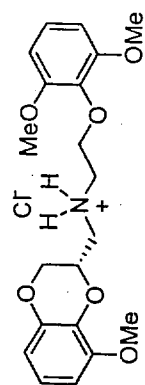
S2

Figure S2. ¹H NMR spectrum (200 MHz) for (R)-1 in DMSO-d₆



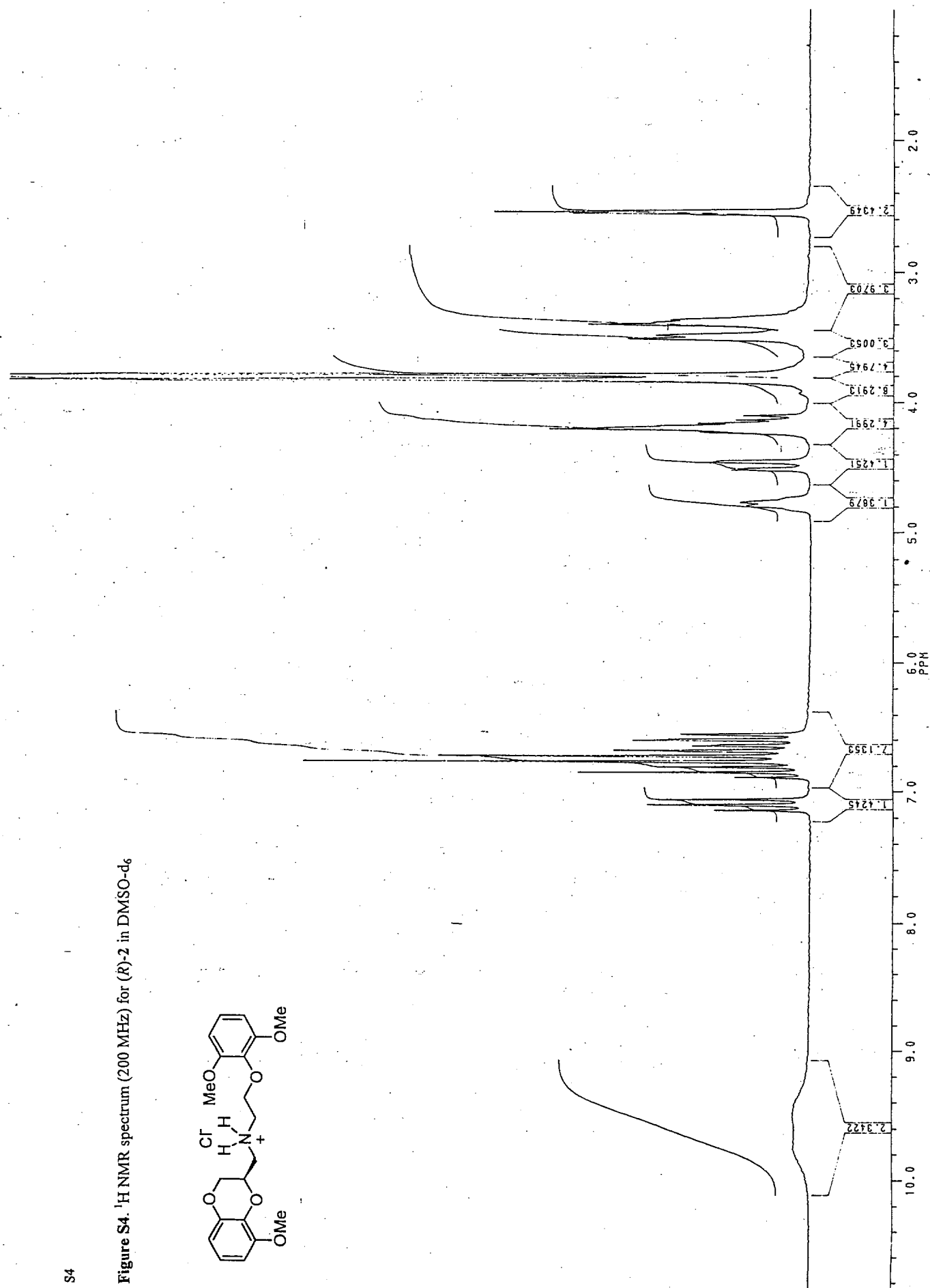
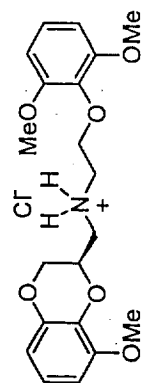
S3

Figure S3. ^1H NMR spectrum (200 MHz) for (S)-2 in $\text{DMSO}-d_6$



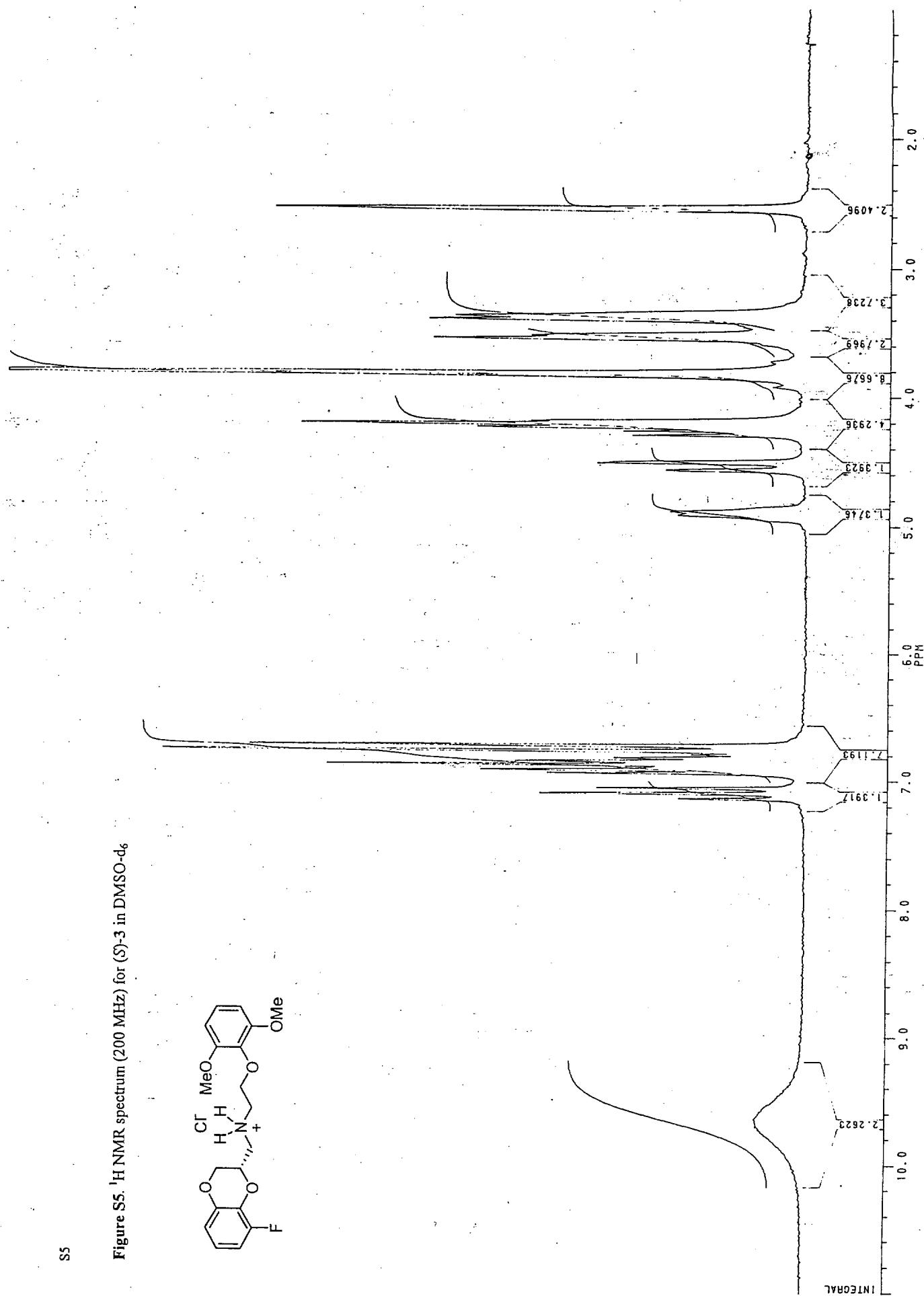
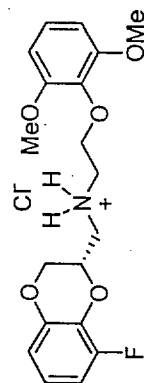
S4

Figure S4. ^1H NMR spectrum (200 MHz) for (R)-2 in DMSO- d_6



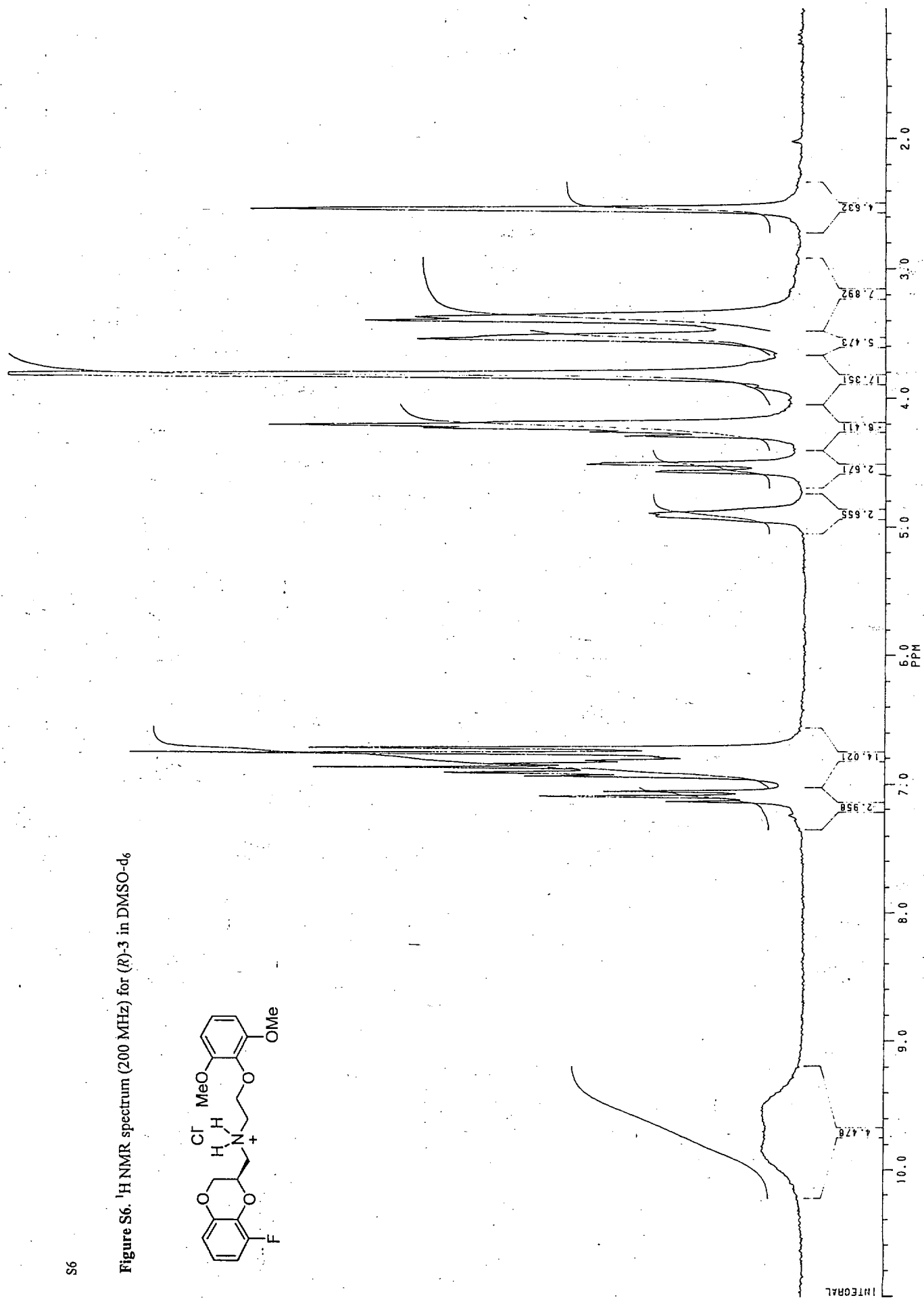
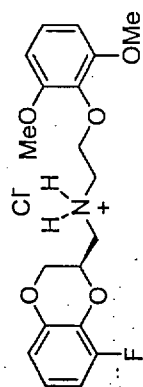
S5

Figure S5. ^1H NMR spectrum (200 MHz) for (S)-3 in DMSO-d_6



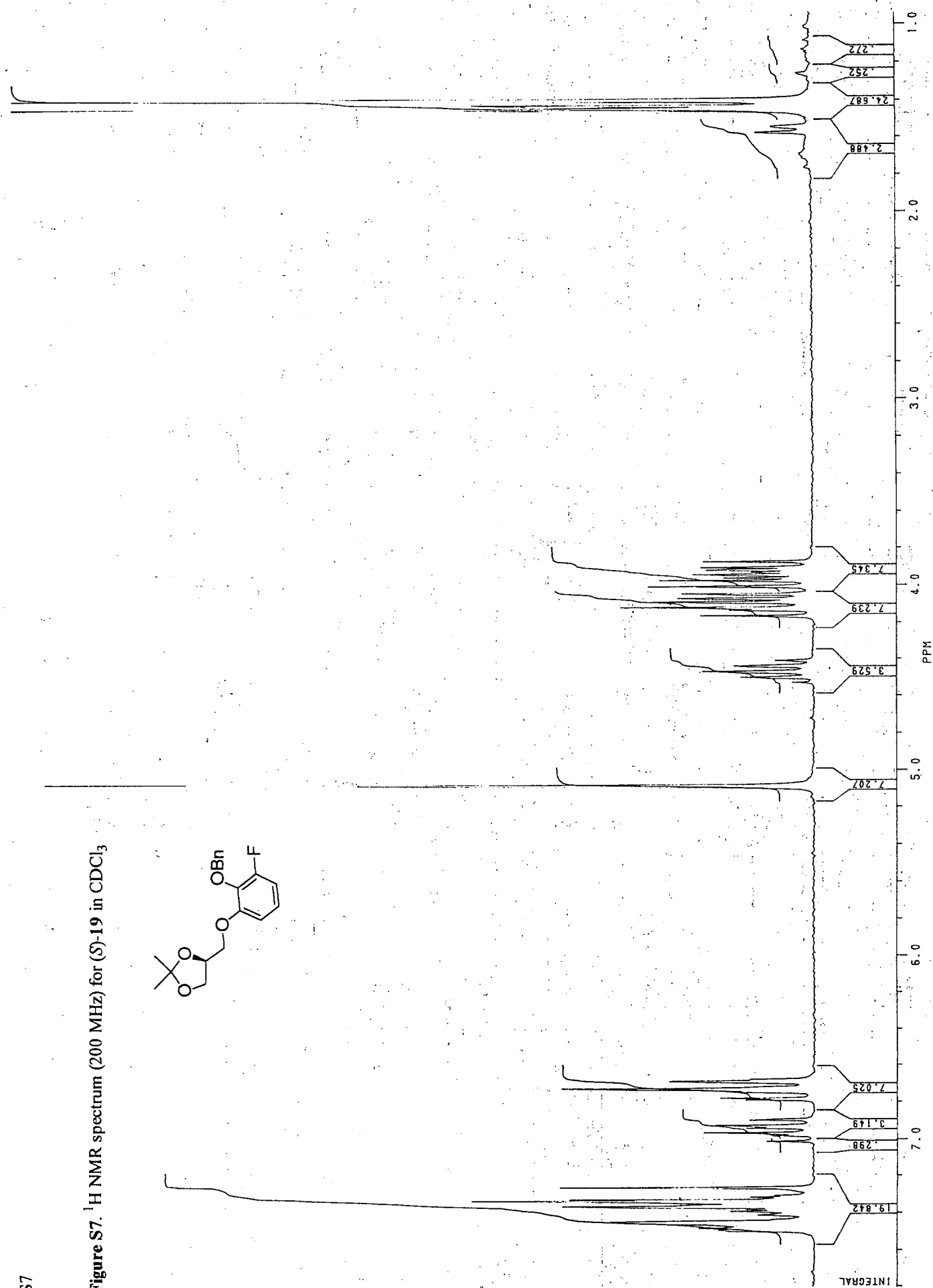
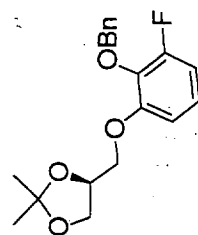
S6

Figure S6. ¹H NMR spectrum (200 MHz) for (R)-3 in DMSO-d₆



S7

Figure S7. ^1H NMR spectrum (200 MHz) for (S)-19 in CDCl_3



S8

Figure S8. ^1H NMR spectrum (200 MHz) for (*R*)-**20** in CDCl_3

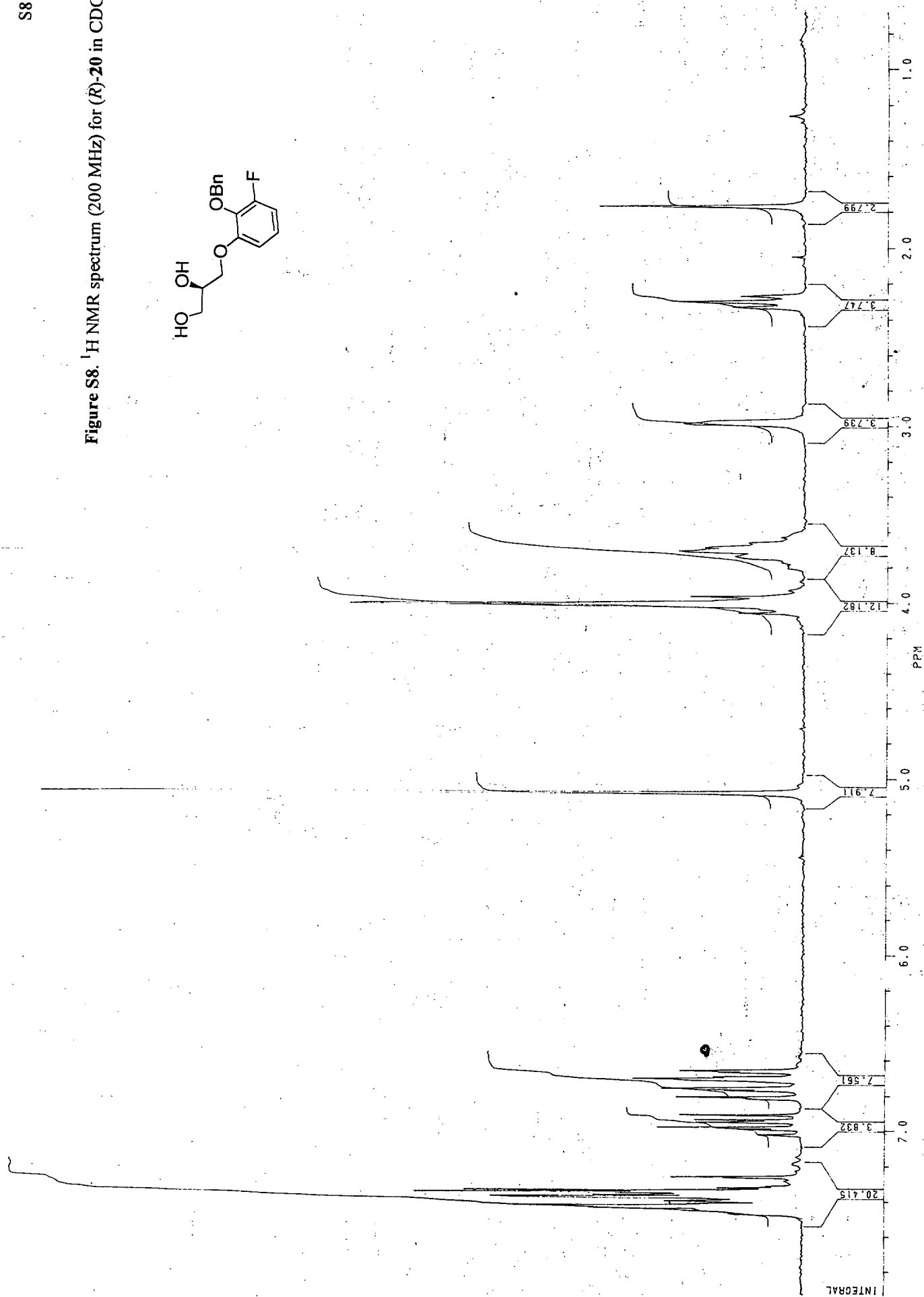
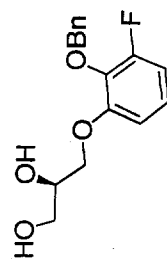
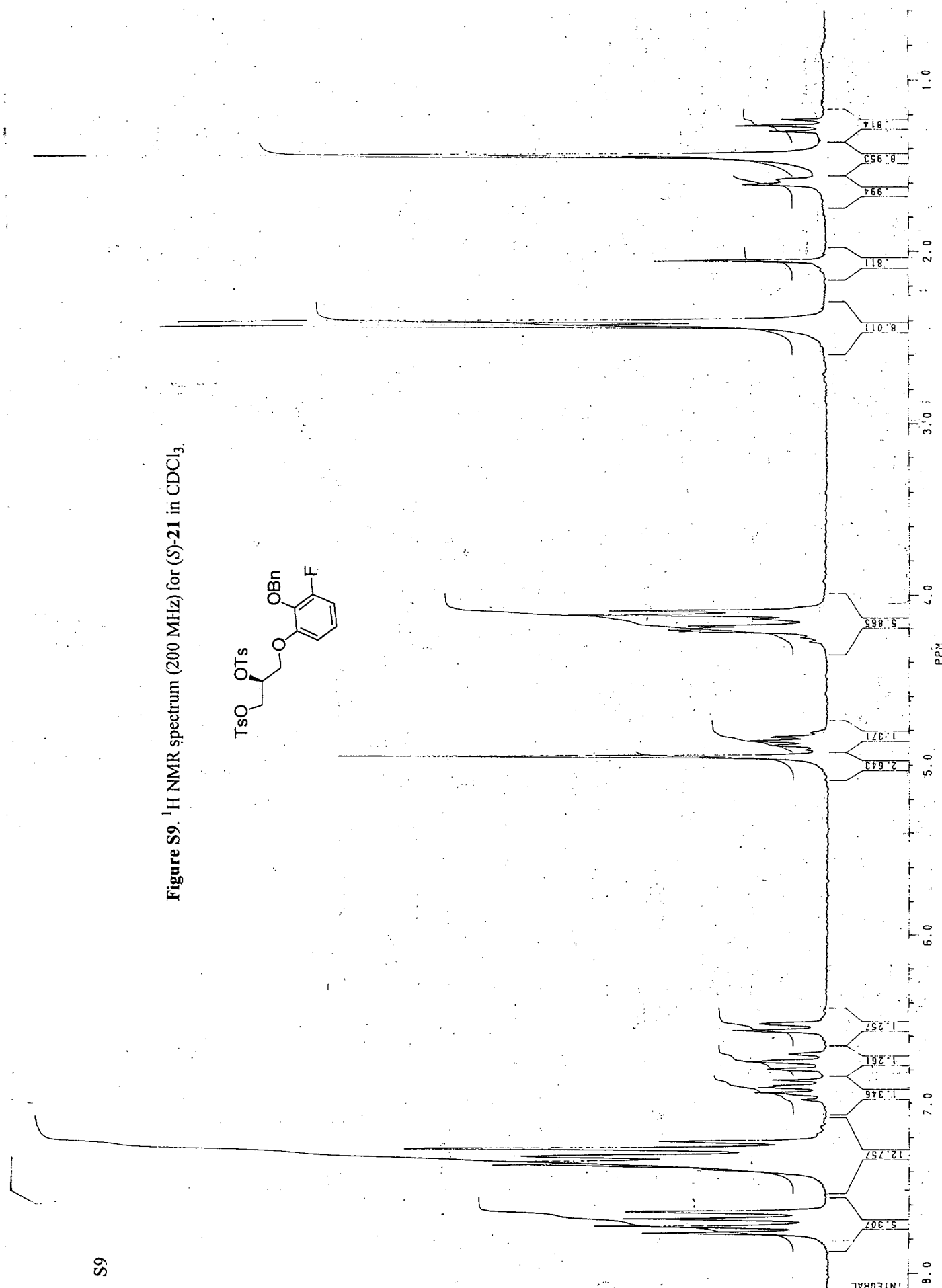
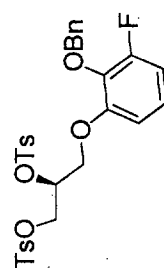
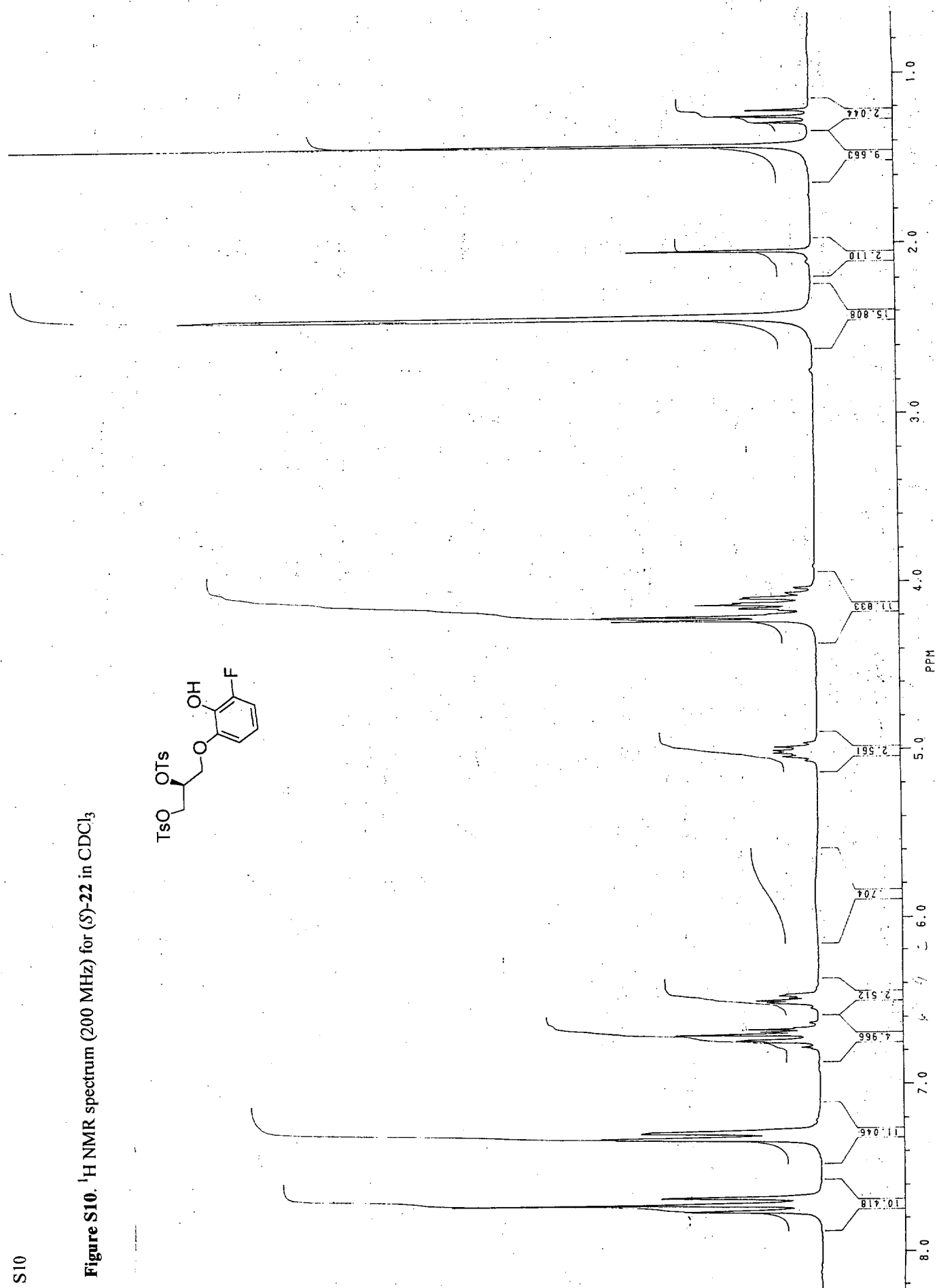
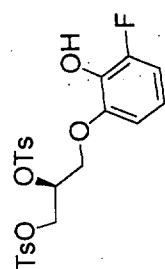


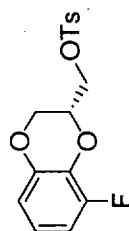
Figure S9. ^1H NMR spectrum (200 MHz) for (S)-21 in CDCl_3 .



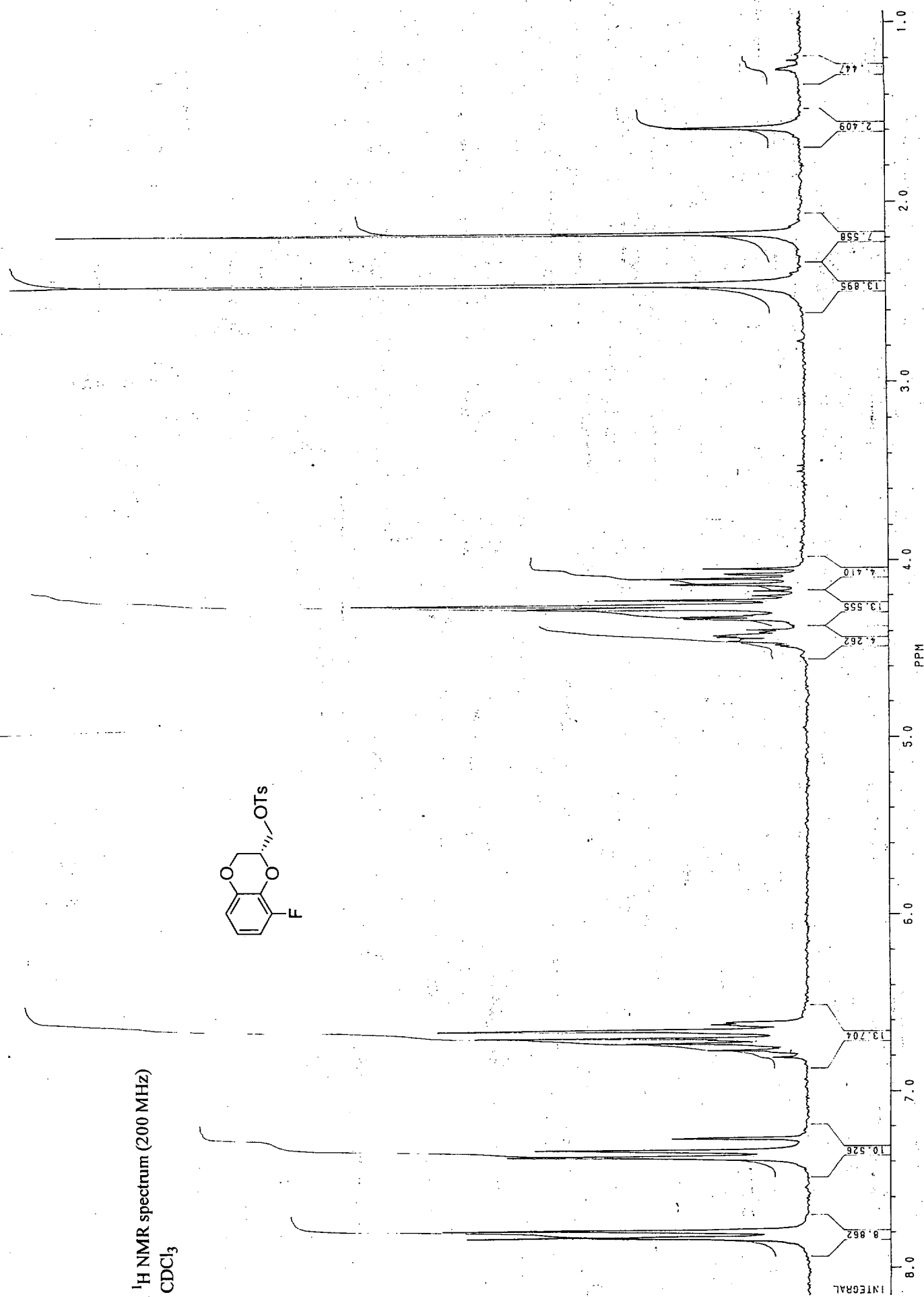
S10

Figure S10. ^1H NMR spectrum (200 MHz) for (S)-22 in CDCl_3



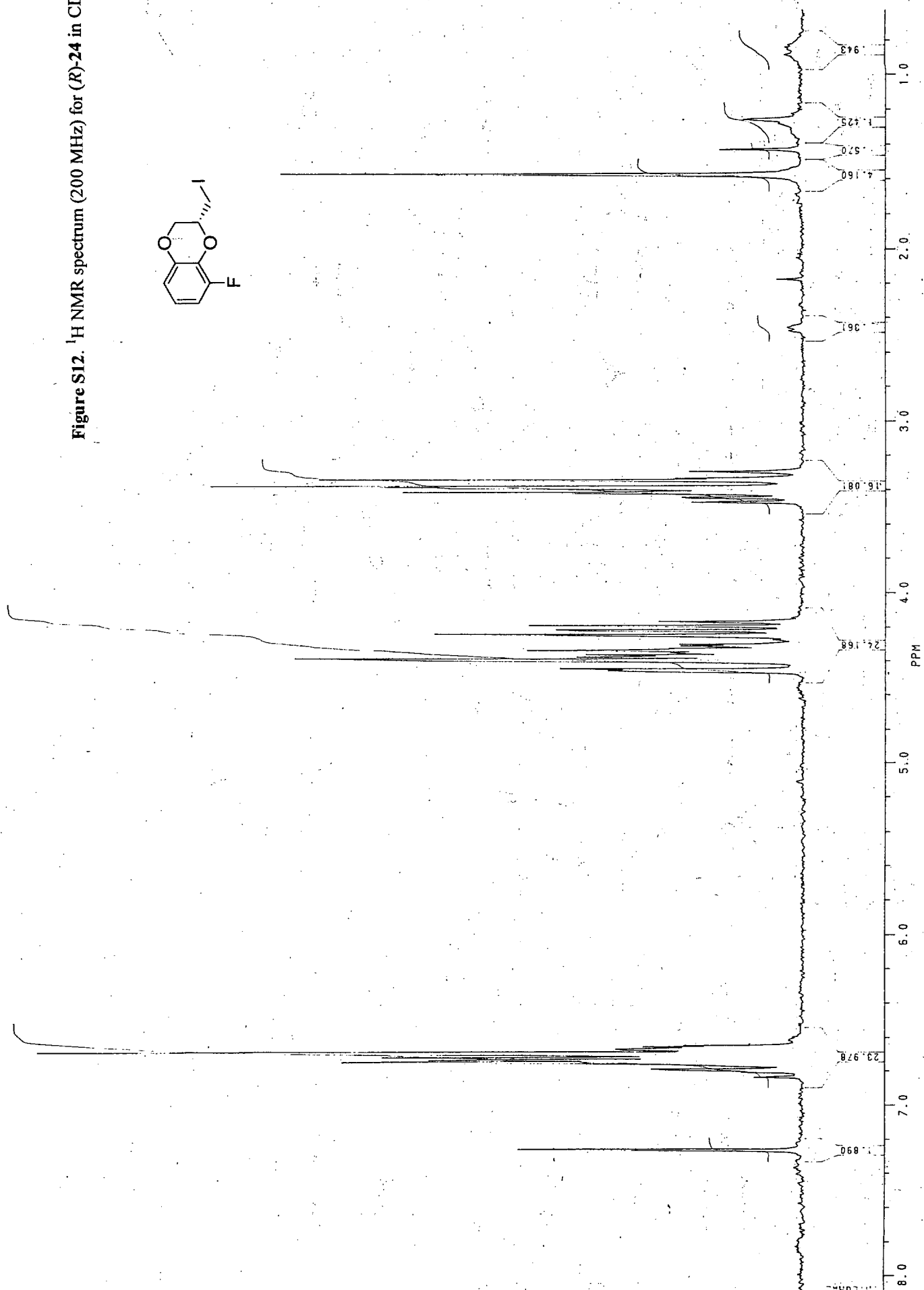
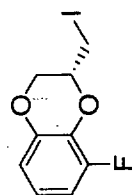


1. ¹H NMR spectrum (200 MHz)
in CDCl₃



S12

Figure S12. ^1H NMR spectrum (200 MHz) for (*R*)-**24** in CDCl_3



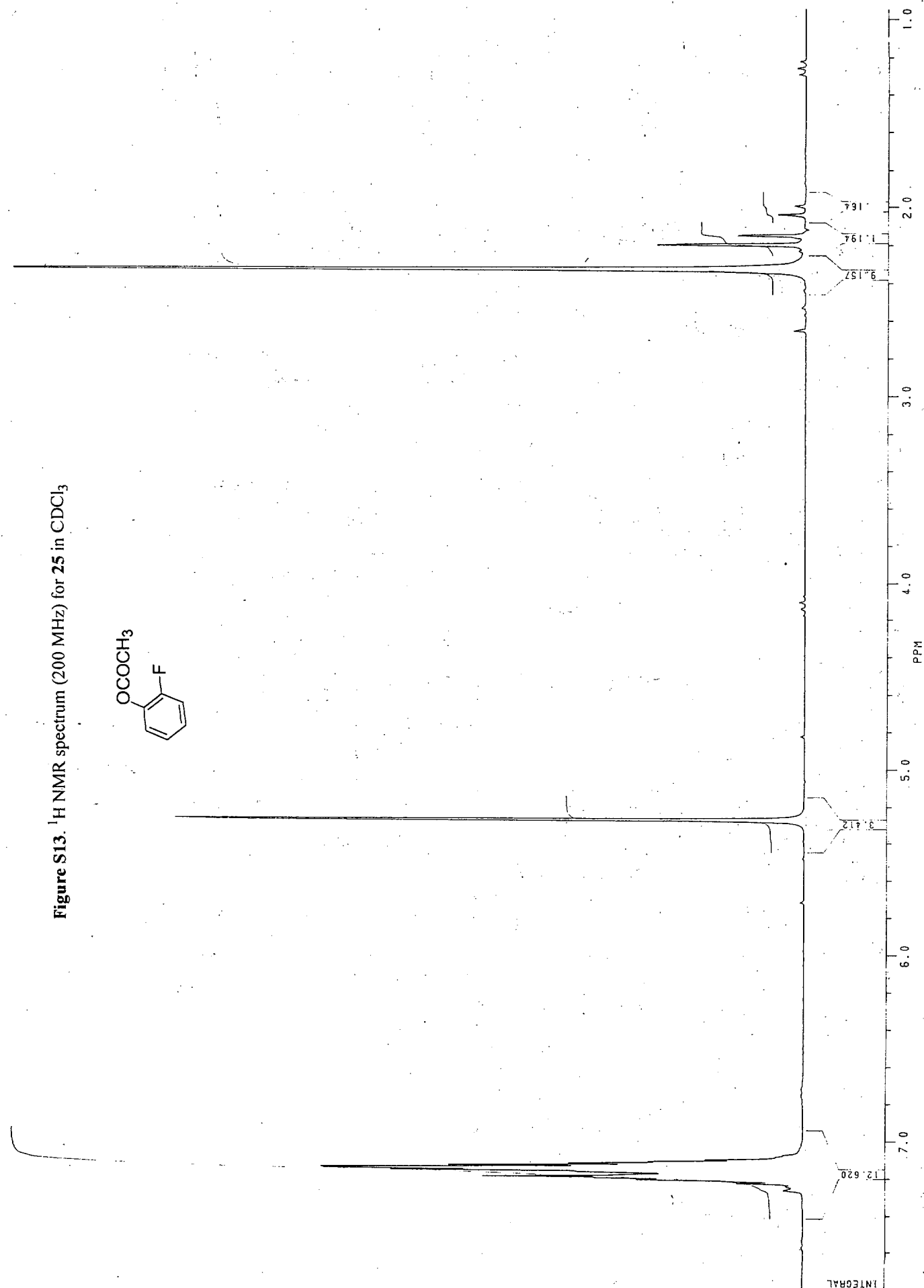


Figure S14. ^1H NMR spectrum (200 MHz) for **26** in CDCl_3

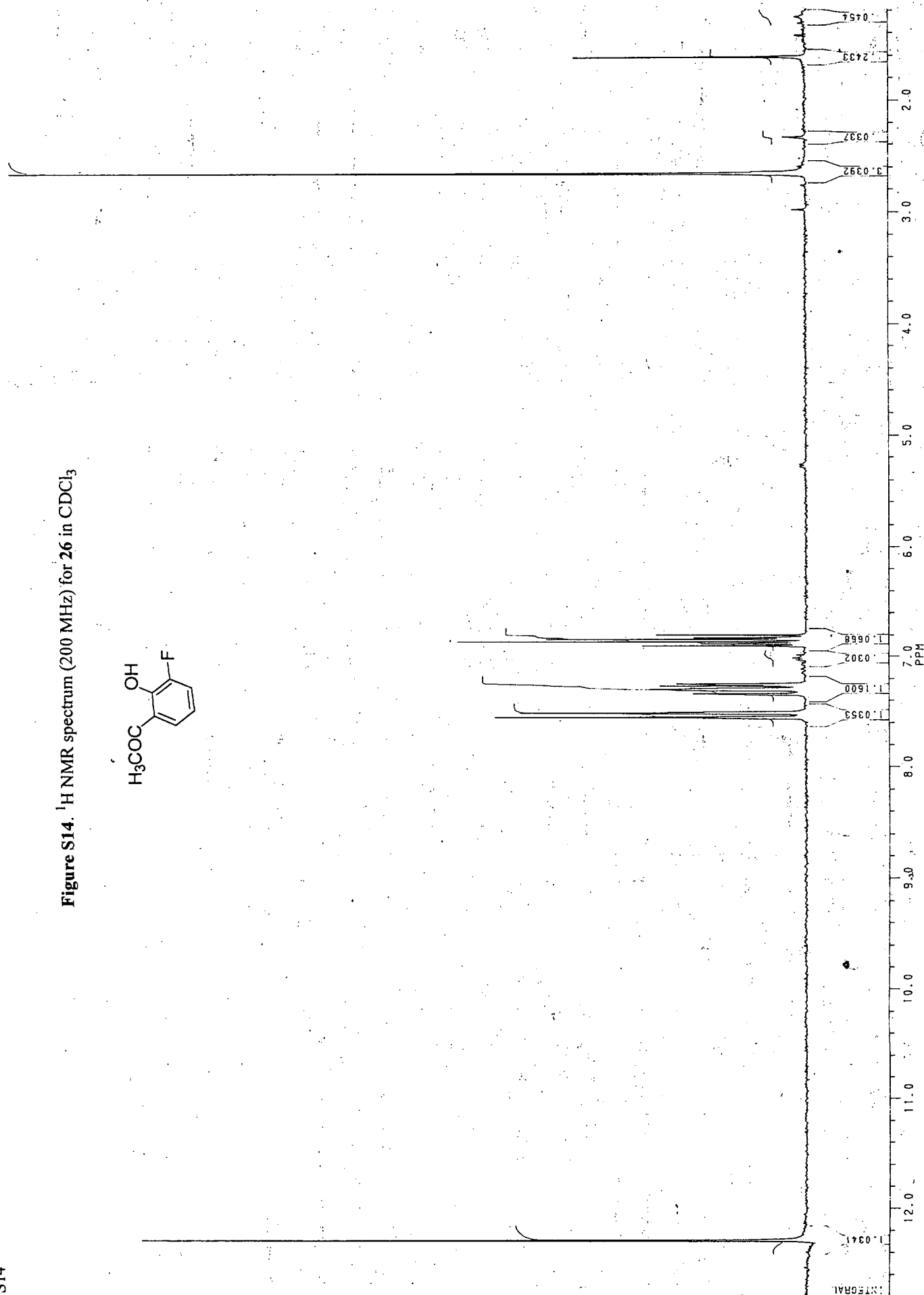
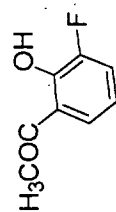


Figure S15. ^1H NMR spectrum (200 MHz) for 27 in CDCl_3

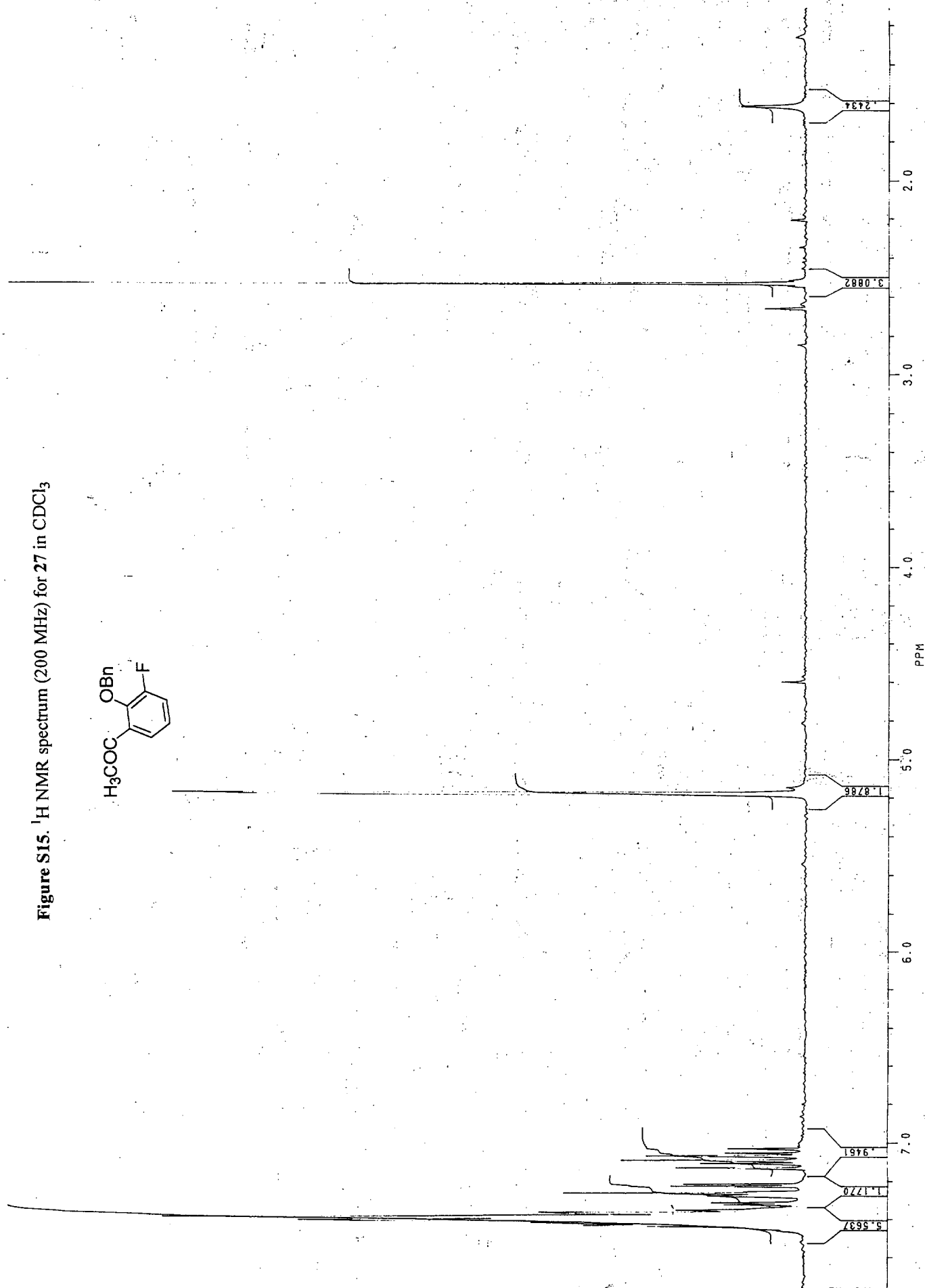
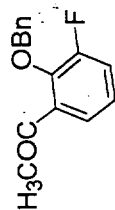


Figure S16. ^1H NMR spectrum (200 MHz) for **28** in CDCl_3

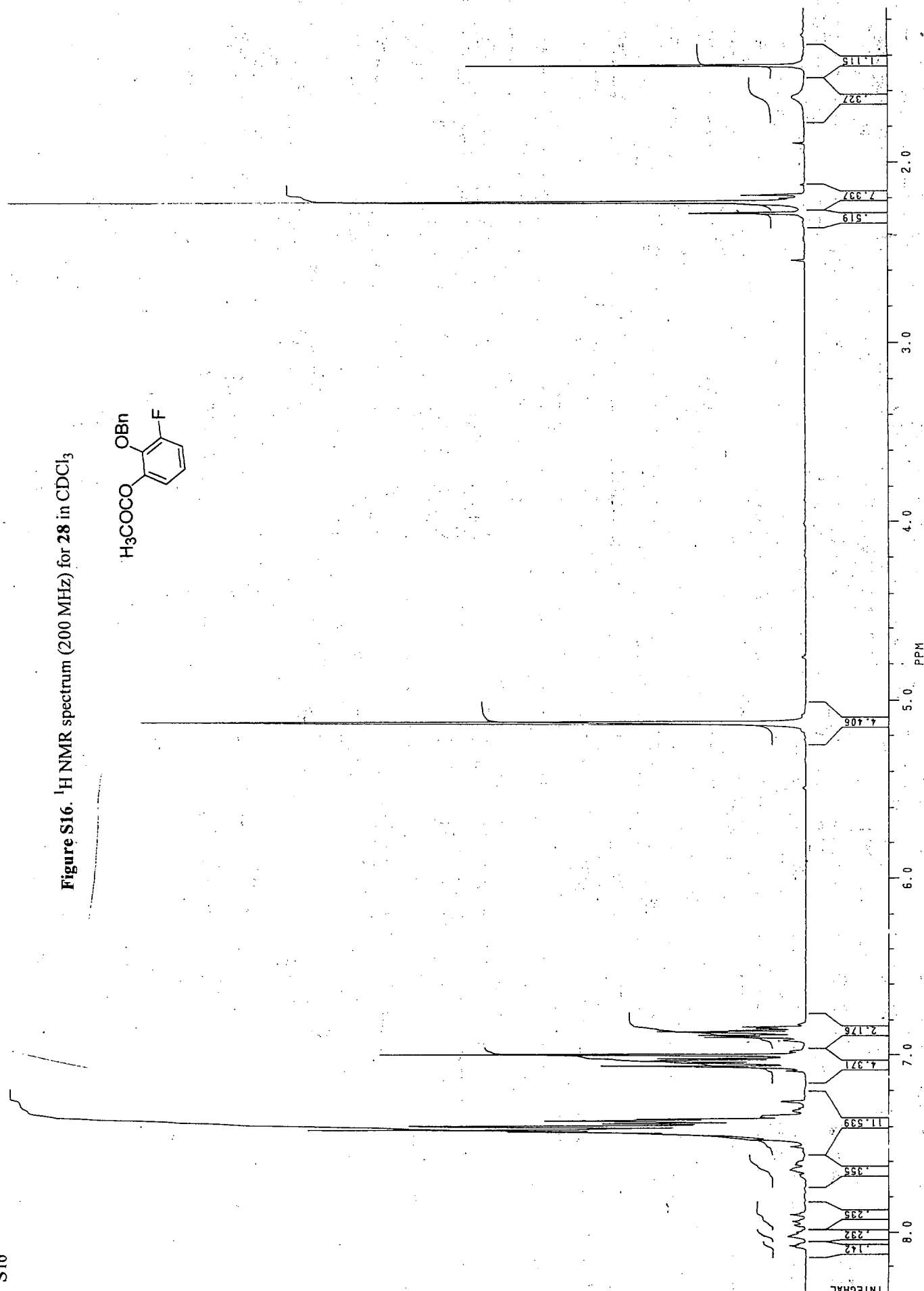
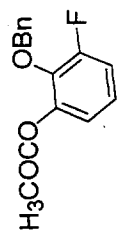


Figure S17. ^1H NMR spectrum (200 MHz) for **29** in CDCl_3 .

