

Supplementary Materials

Contents

- S1.** ^1H -NMR spectrum of compound **1** in $\text{DMSO-}d_6$.
- S2.** ^{13}C -NMR spectrum of compound **1** in $\text{DMSO-}d_6$.
- S3.** HSQC spectrum of compound **1** in $\text{DMSO-}d_6$.
- S4.** HMBC spectrum of compound **1** in $\text{DMSO-}d_6$.
- S5.** $^1\text{H-}^1\text{H}$ COSY spectrum of compound **1** in $\text{DMSO-}d_6$.
- S6.** ROESY spectrum of compound **1** in $\text{DMSO-}d_6$.
- S7.** ^1H NMR spectrum of compound **2** in CD_3OD .
- S8.** ^{13}C -NMR spectrum of compound **2** in CD_3OD .
- S9.** HSQC spectrum of compound **2** in CD_3OD .
- S10.** HMBC spectrum of compound **2** in CD_3OD .
- S11.** $^1\text{H-}^1\text{H}$ COSY spectrum of compound **2** in CD_3OD .
- S12.** ROESY spectrum of compound **2** in CD_3OD .
- S13.** ^1H -NMR spectrum of compound **3** in CD_3OD .
- S14.** ^{13}C -NMR spectrum of compound **3** in CD_3OD .
- S15.** HSQC spectrum of compound **3** in CD_3OD .
- S16.** HMBC spectrum of compound **3** in CD_3OD .
- S17.** $^1\text{H-}^1\text{H}$ COSY spectrum of compound **3** in CD_3OD .

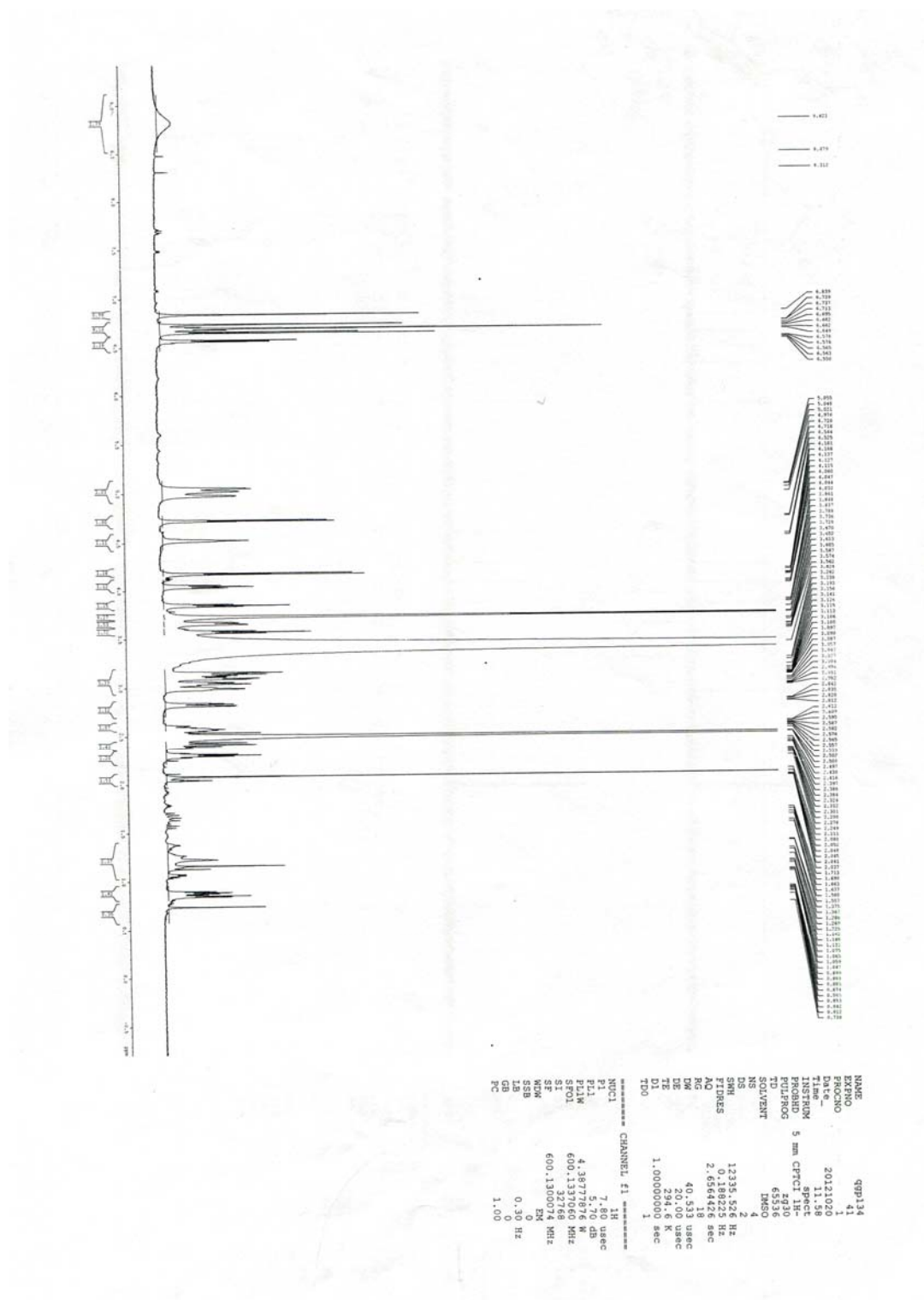
Figure S1. ^1H -NMR spectrum of compound **1** in $\text{DMSO}-d_6$.

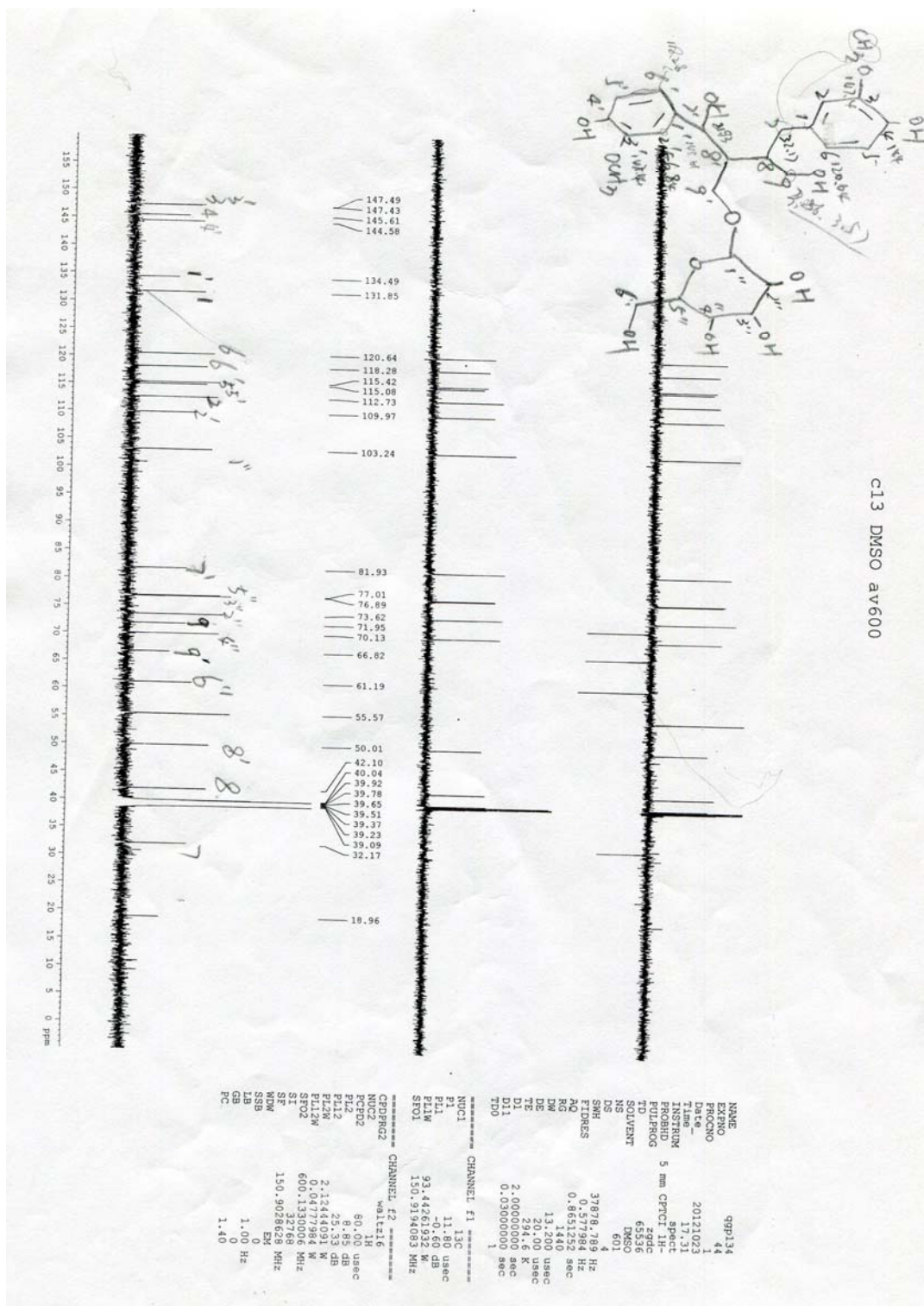
Figure S2. ^{13}C -NMR spectrum of compound 1 in $\text{DMSO}-d_6$.

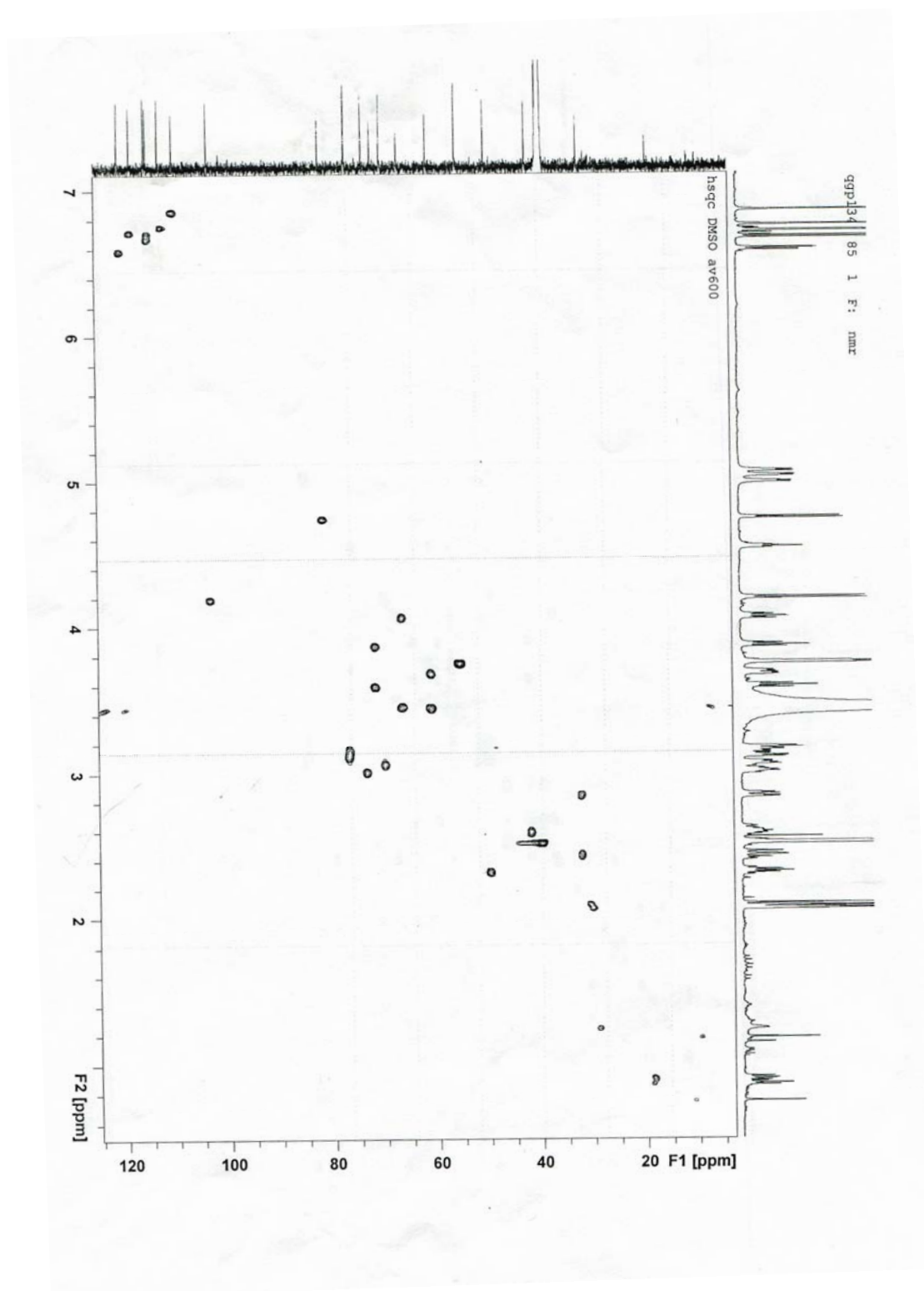
Figure S3 HSQC spectrum of compound **1** in DMSO- d_6 

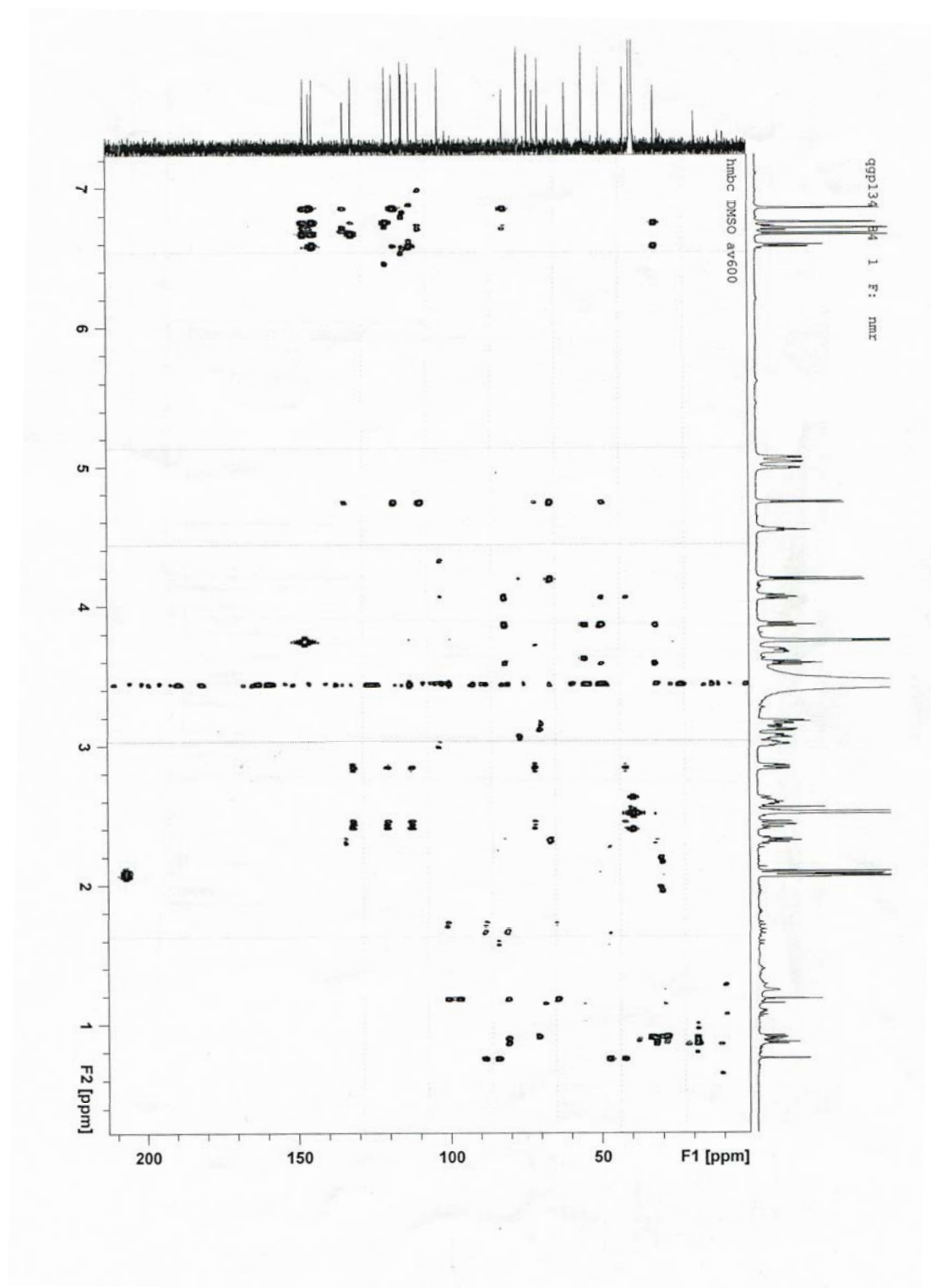
Figure S4. HMBC spectrum of compound **1** in DMSO- d_6 .

Figure S5. ^1H - ^1H COSY spectrum of compound **1** in $\text{DMSO}-d_6$.

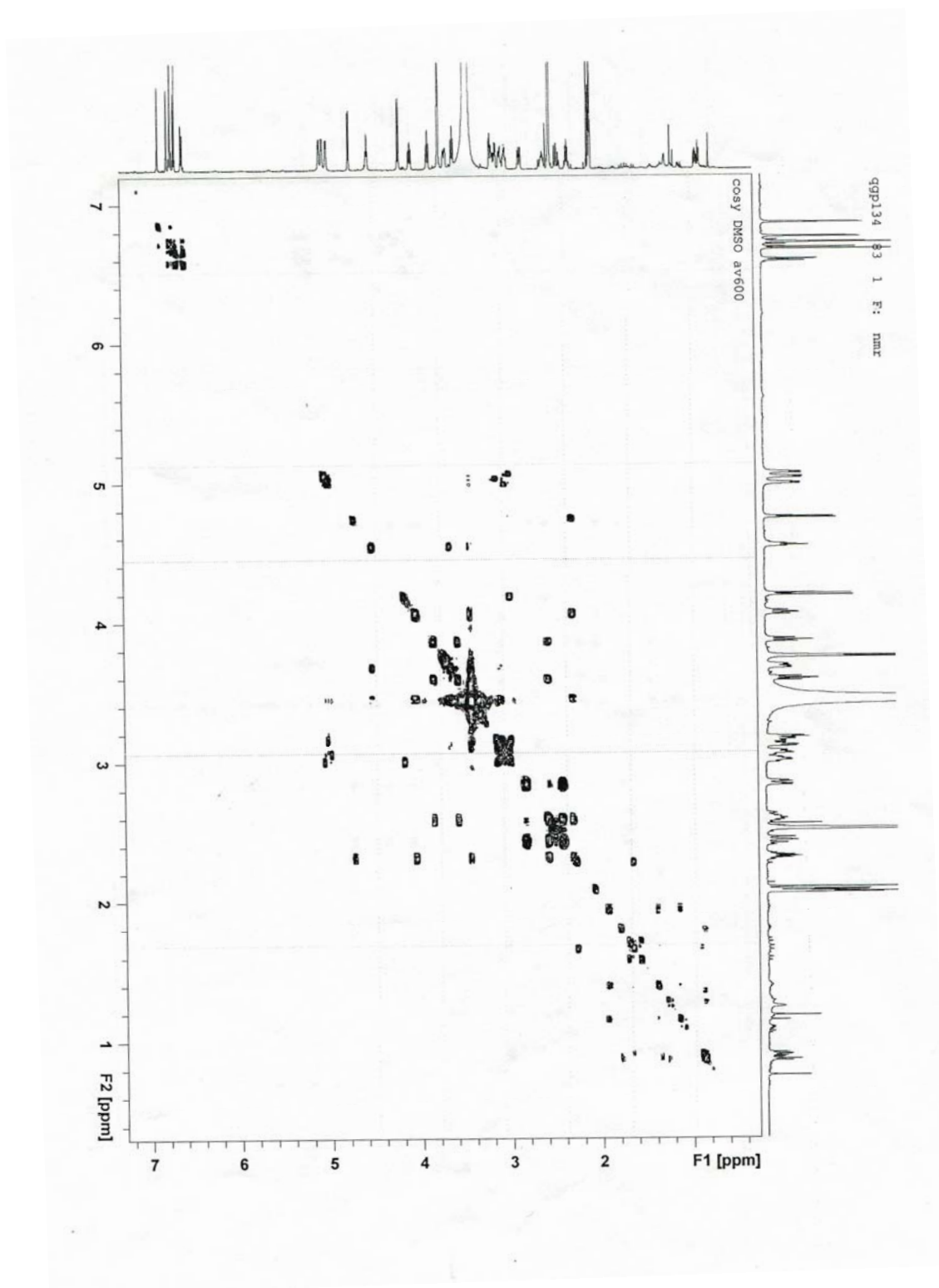


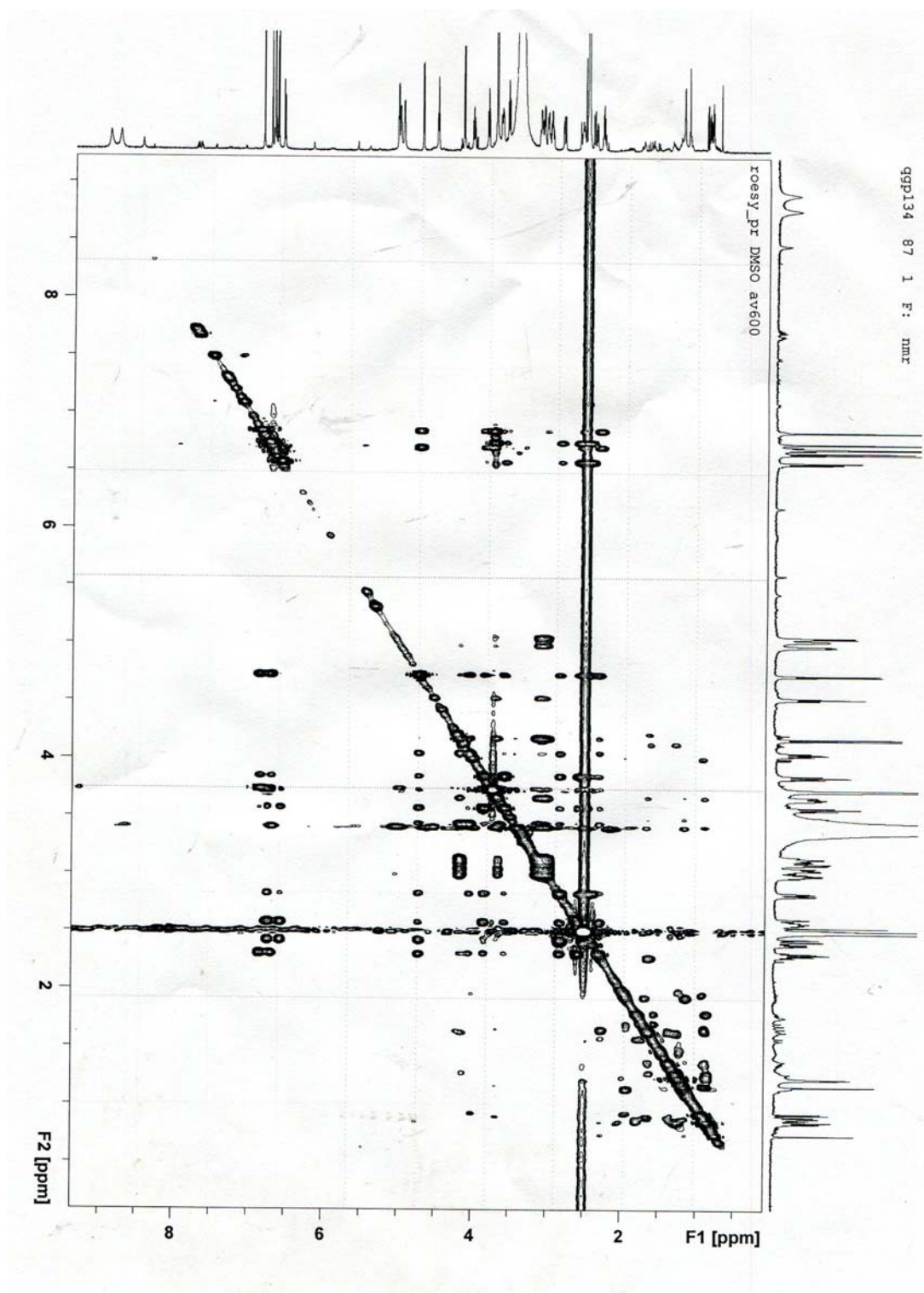
Figure S6. ROESY spectrum of compound **1** in DMSO- d_6 .

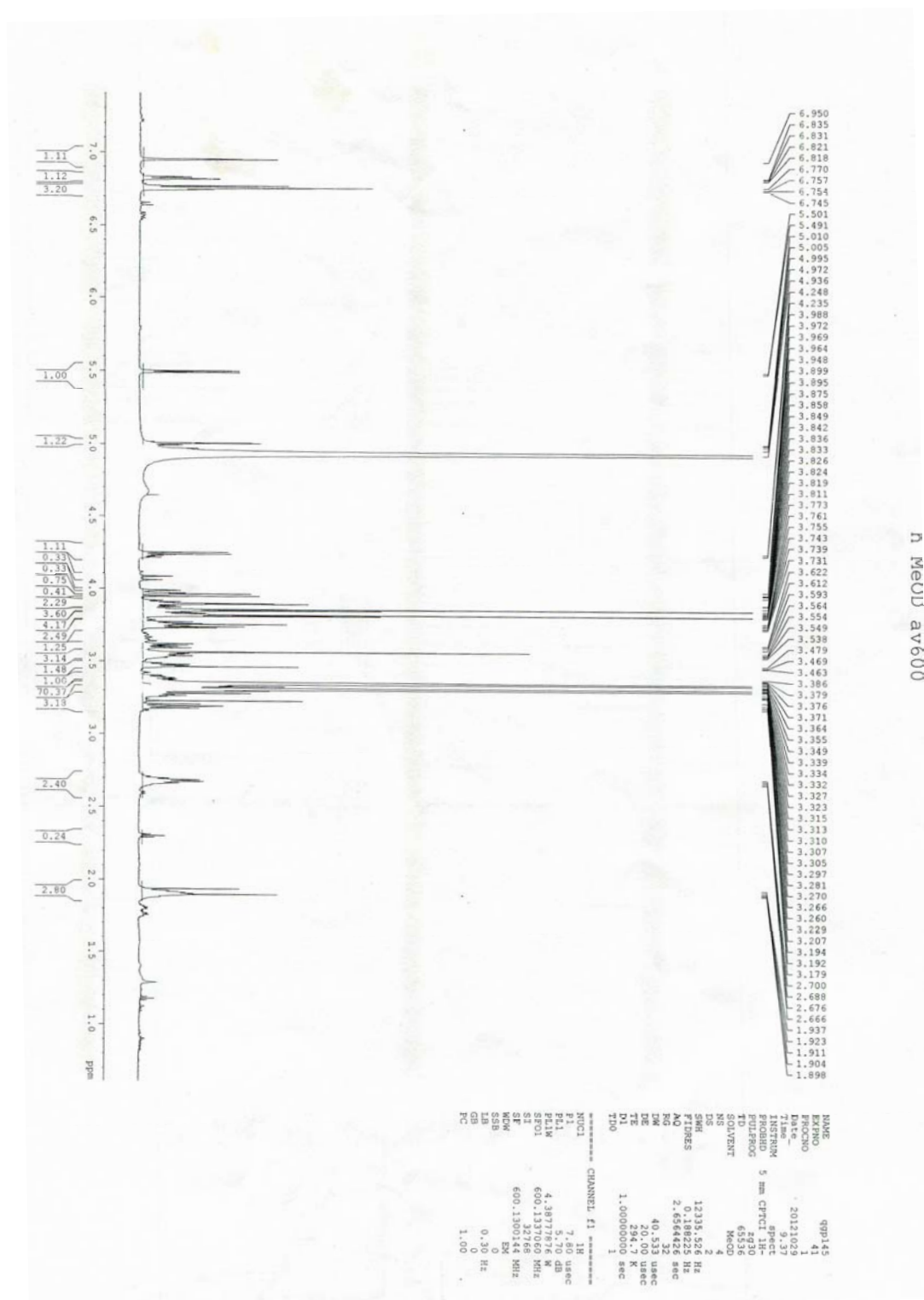
Figure S7. ^1H -NMR spectrum of compound 2 in CD_3OD .

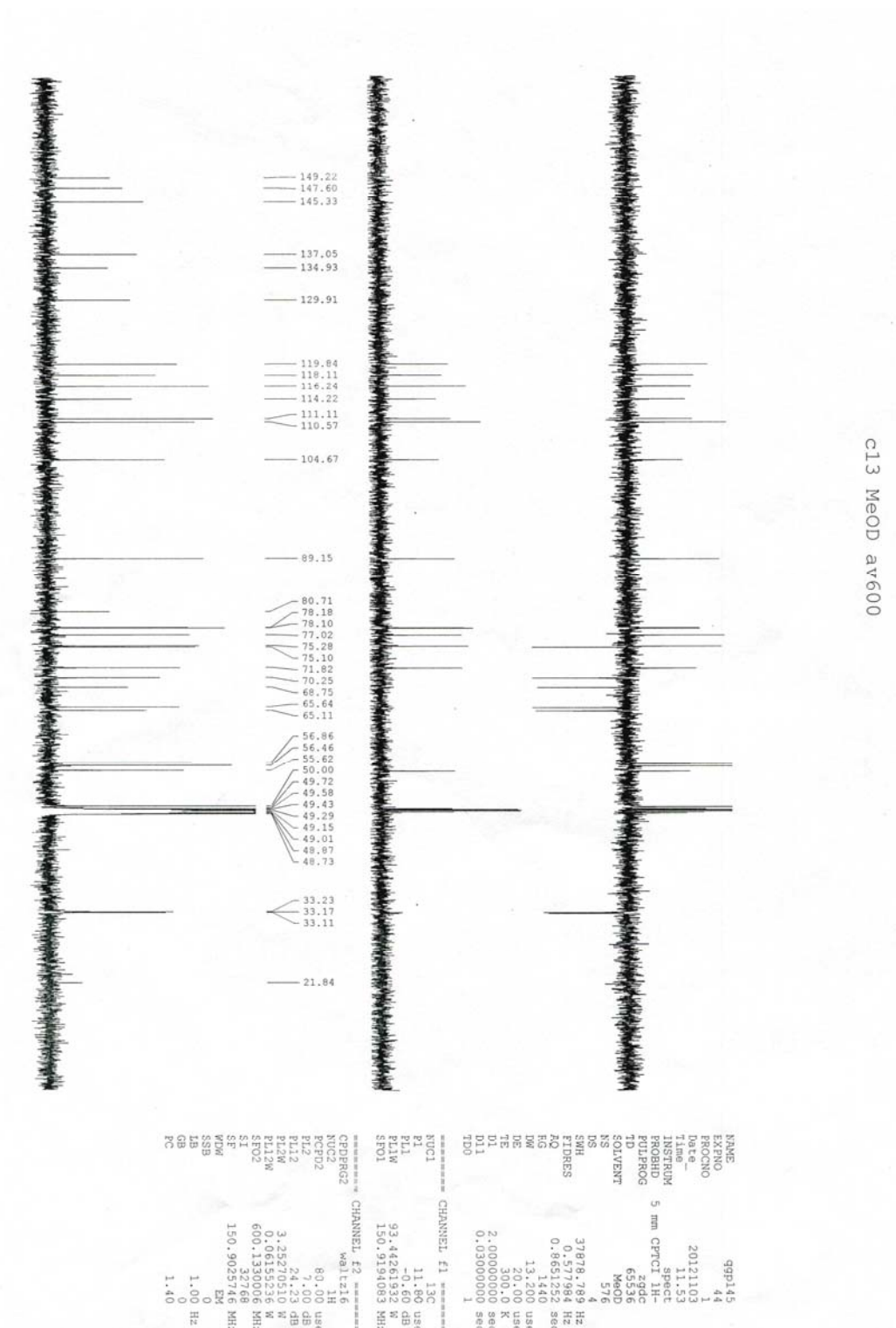
Figure S8. ^{13}C -NMR spectrum of compound **2** in CD_3OD .

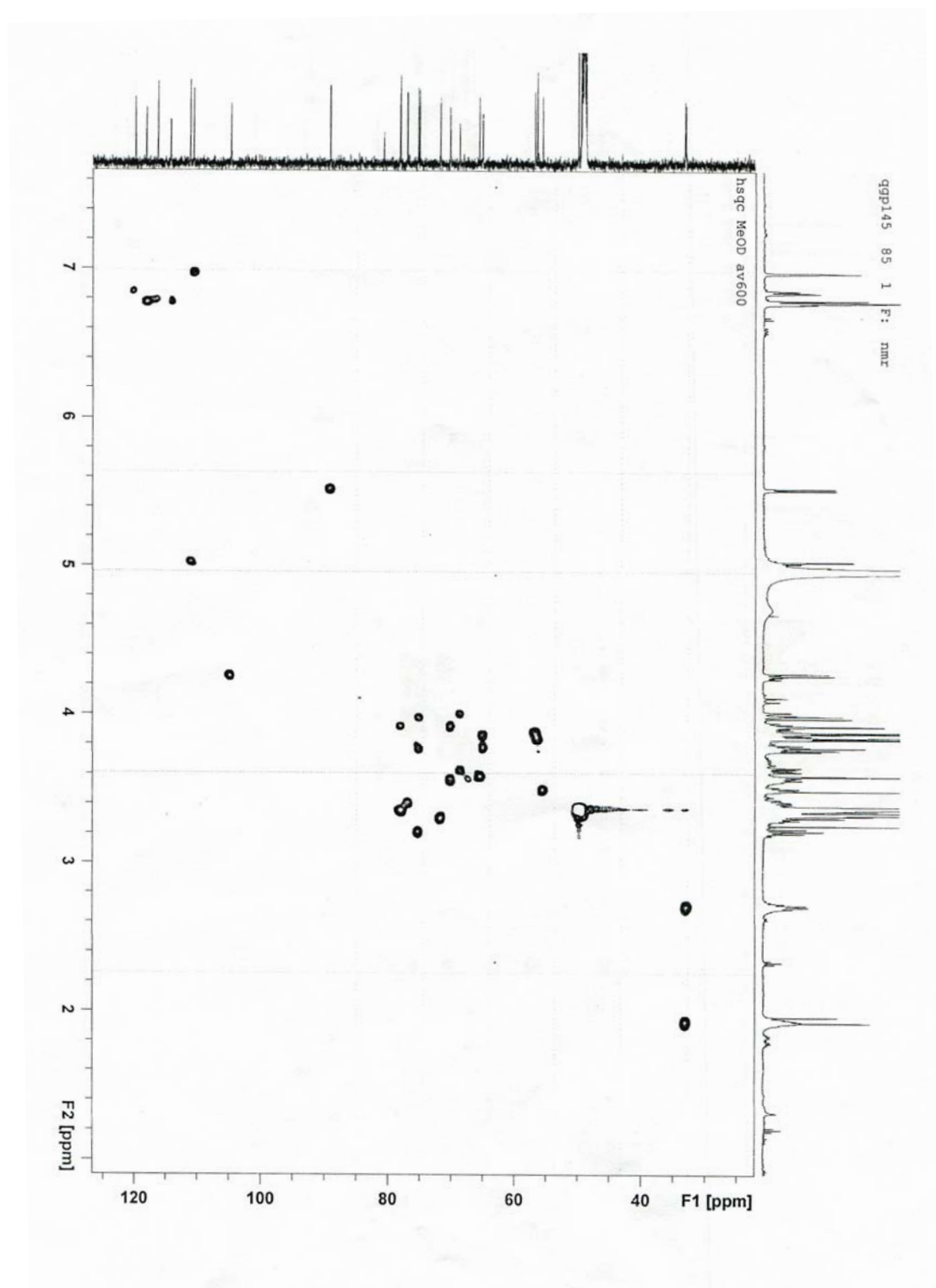
Figure S9. HSQC spectrum of compound **2** in CD₃OD.

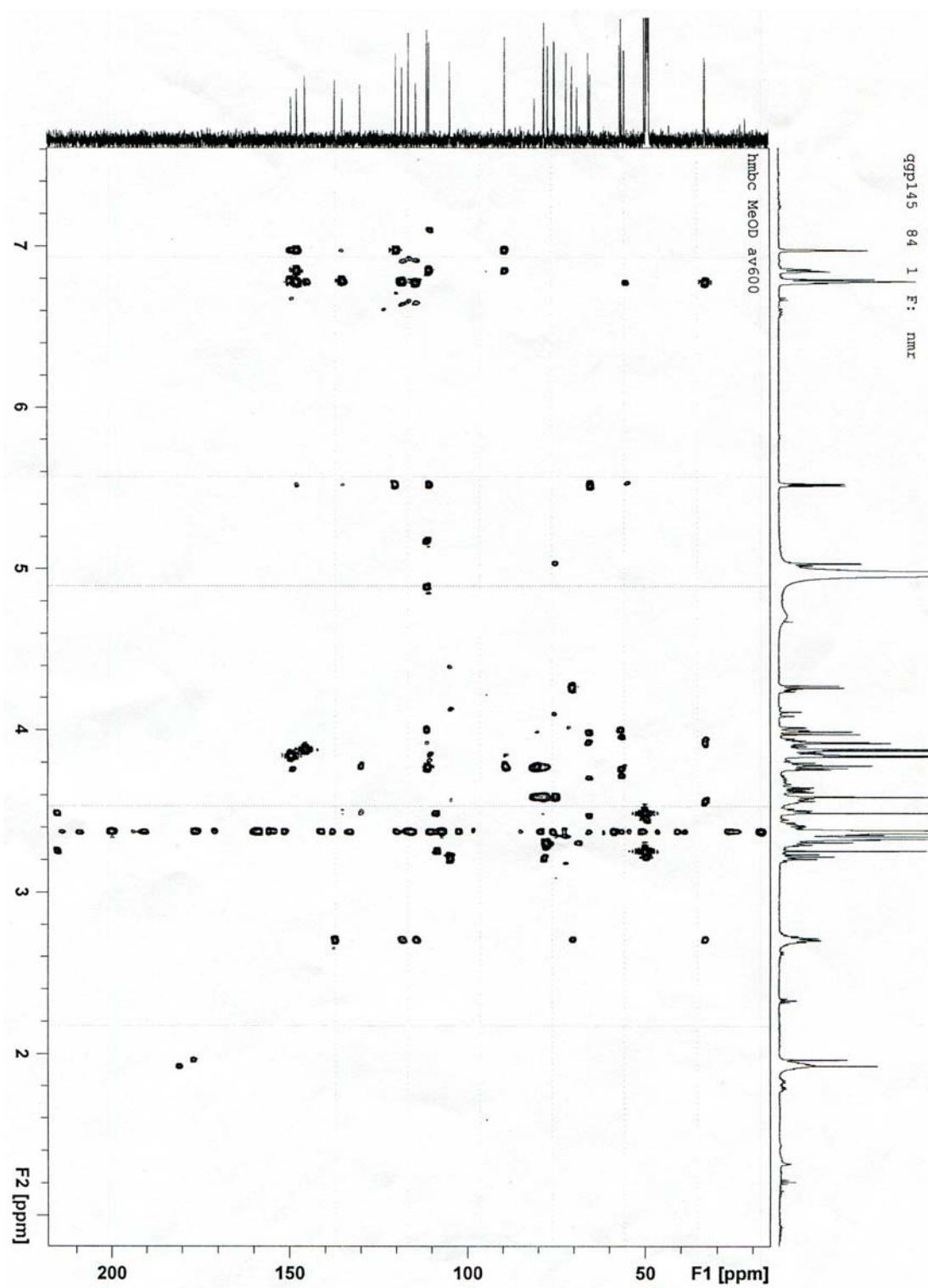
Figure S10. HMBC spectrum of compound **2** in CD₃OD.

Figure S11. ^1H - ^1H COSY spectrum of compound **2** in CD_3OD .

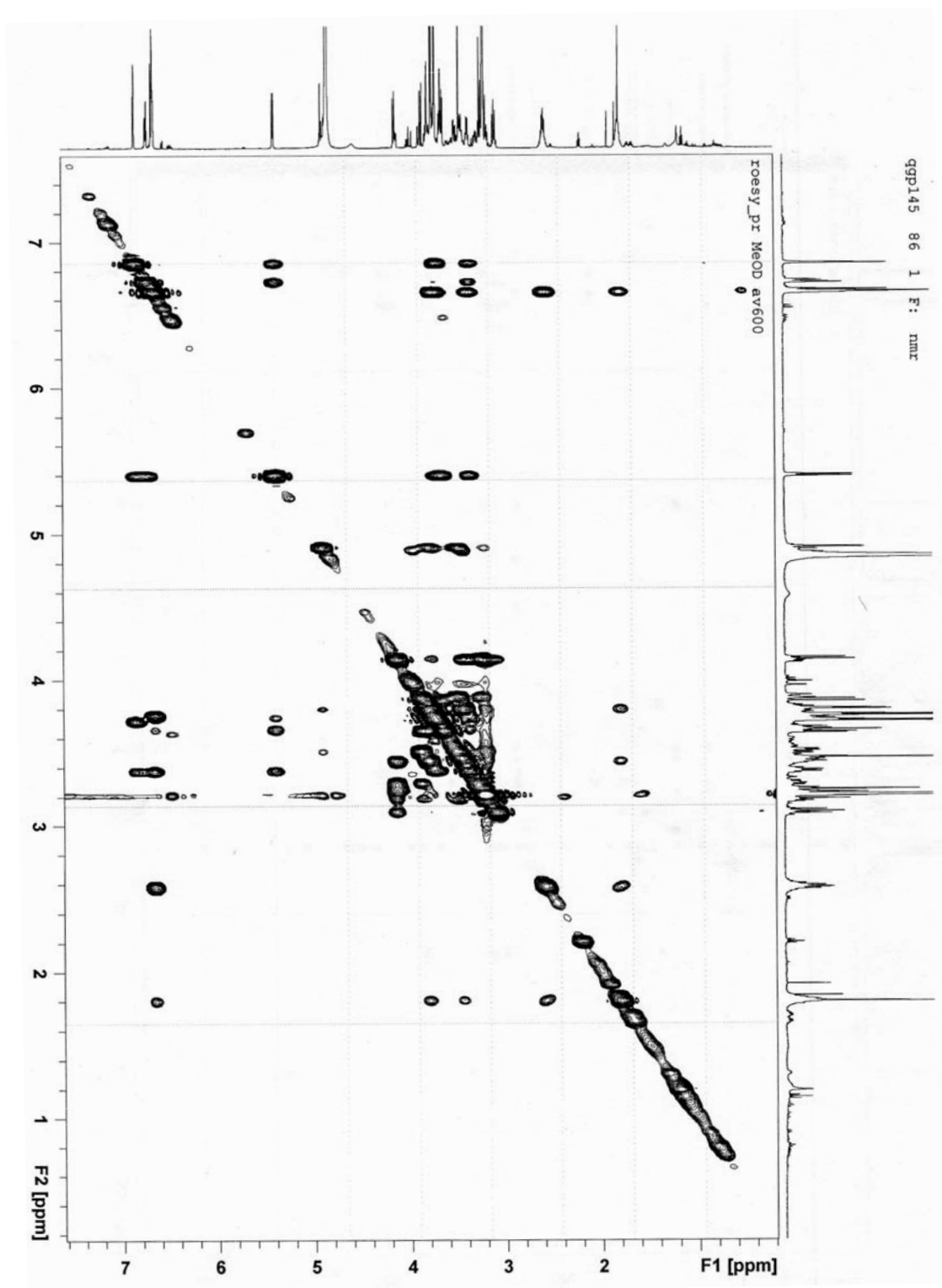


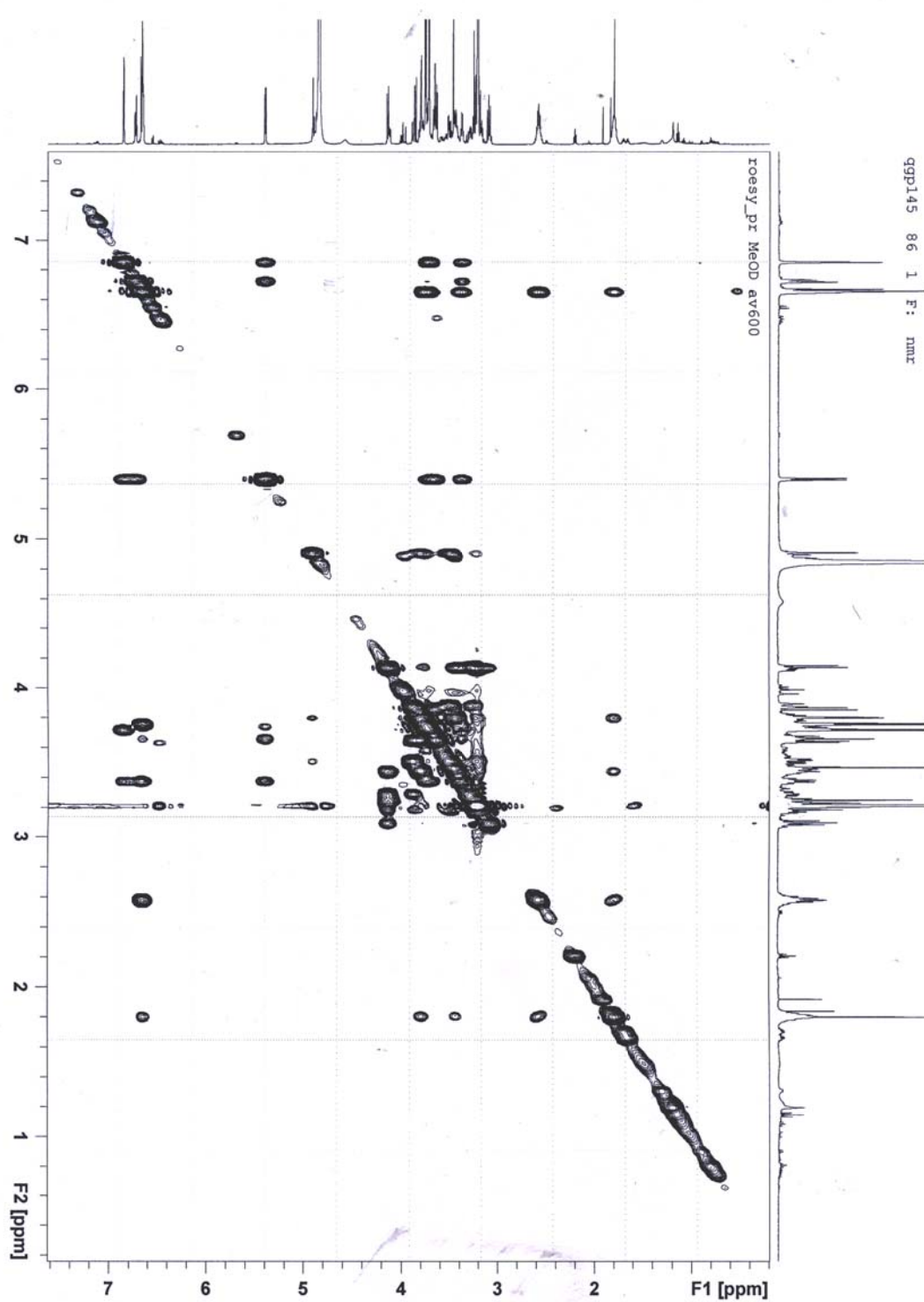
Figure S12. ROESY spectrum of compound **2** in CD₃OD.

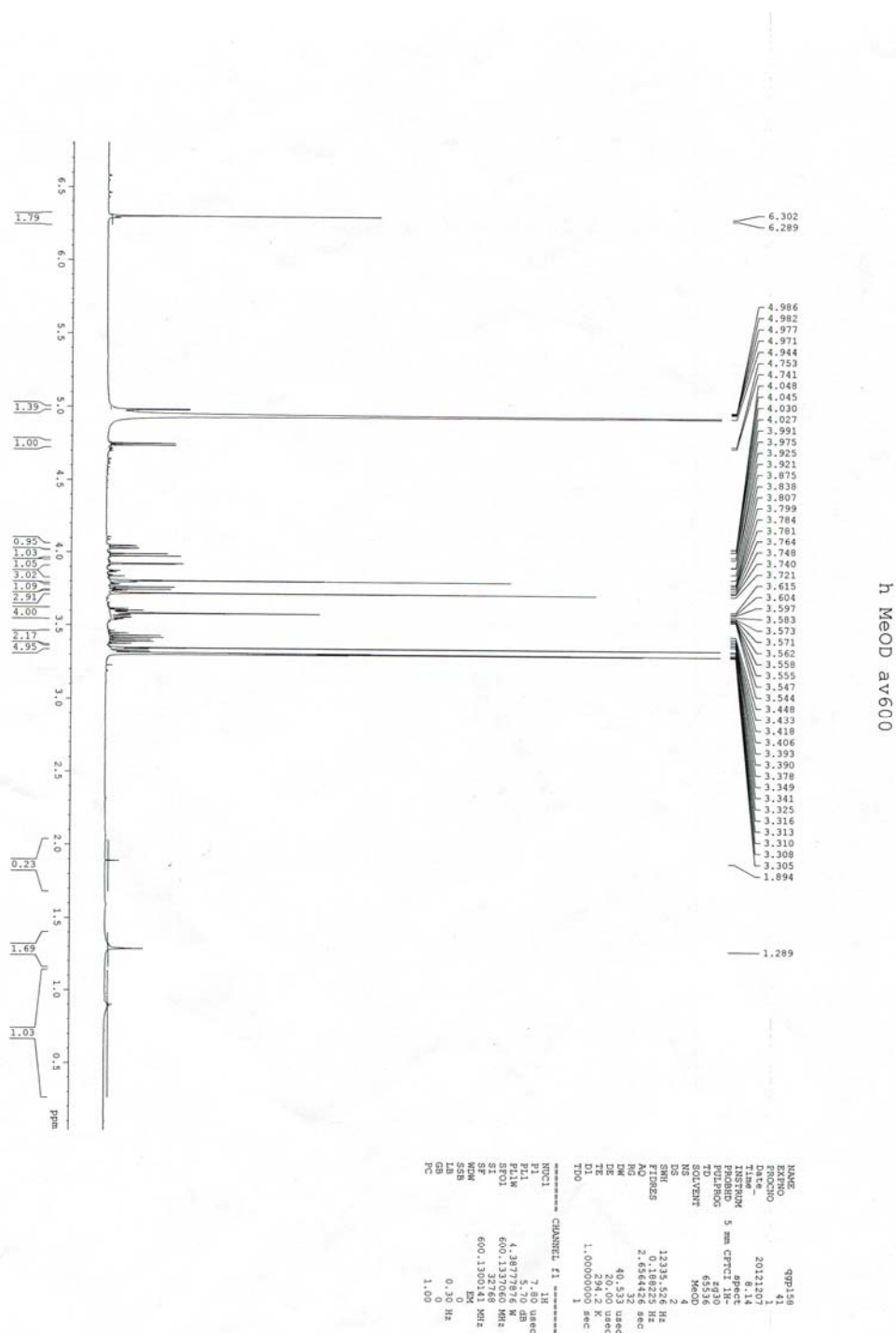
Figure S13. ^1H -NMR spectrum of compound **3** in CD_3OD .

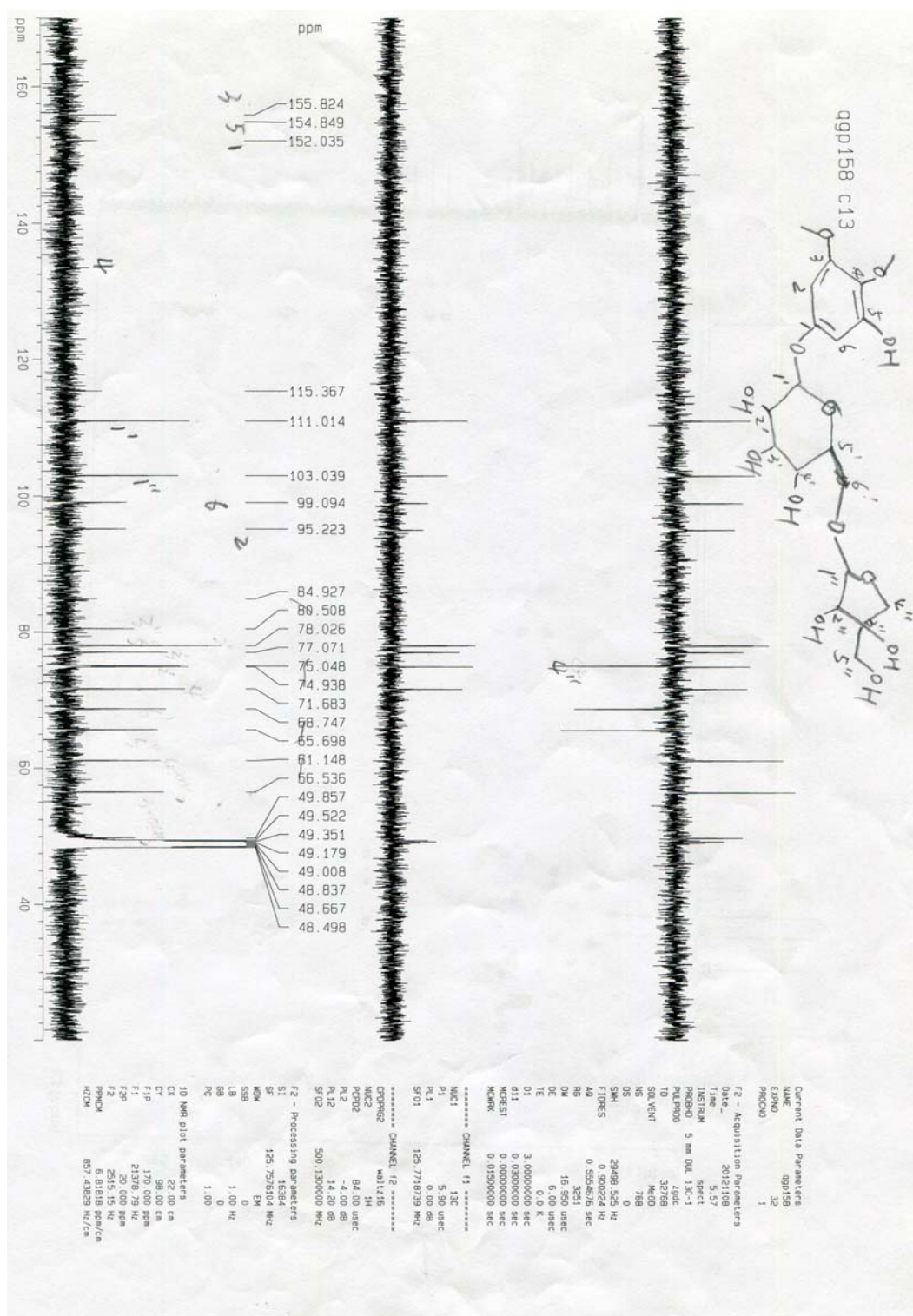
Figure S14. ^{13}C -NMR spectrum of compound 3 in CD_3OD .

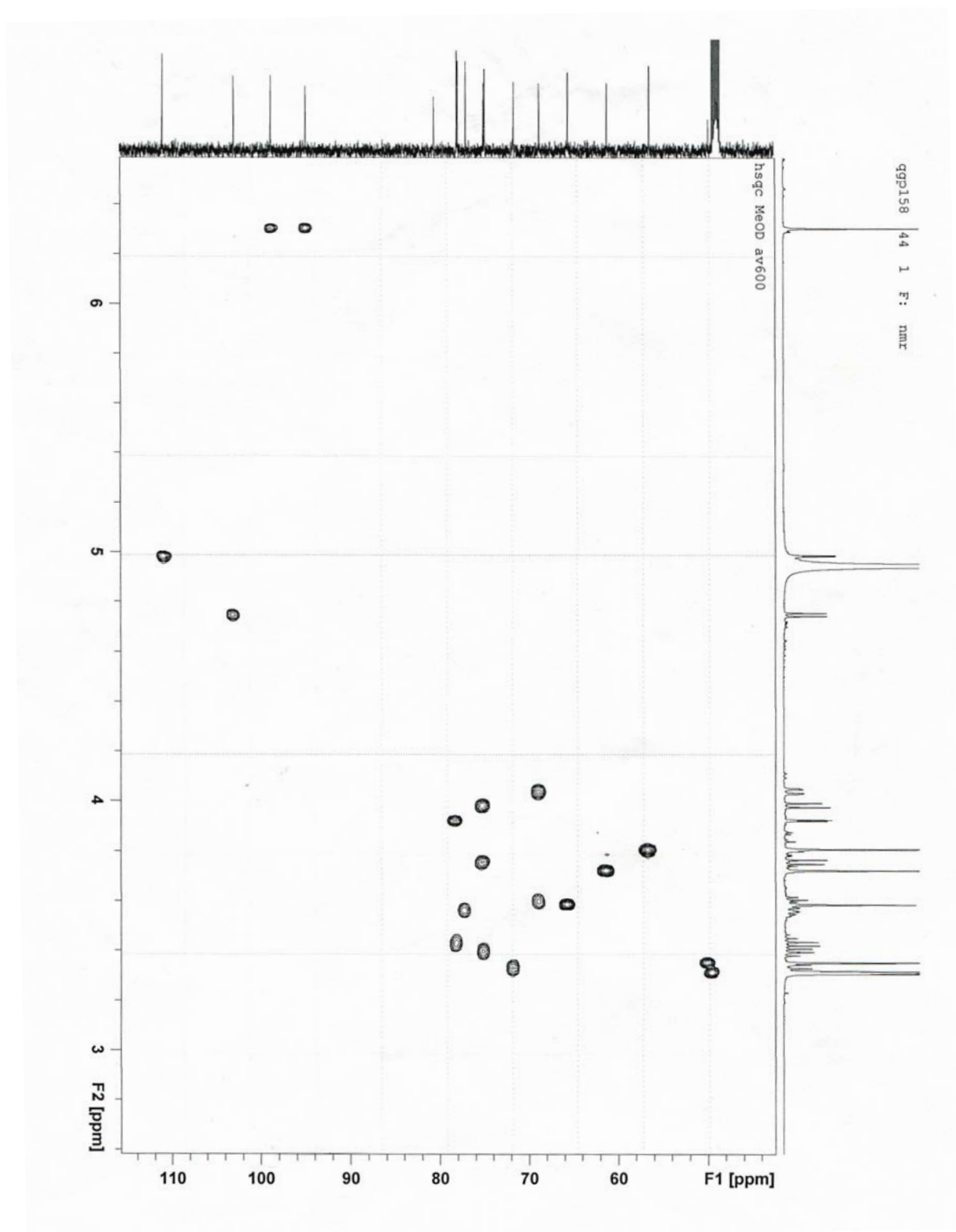
Figure S15. HSQC spectrum of compound **3** in CD₃OD.

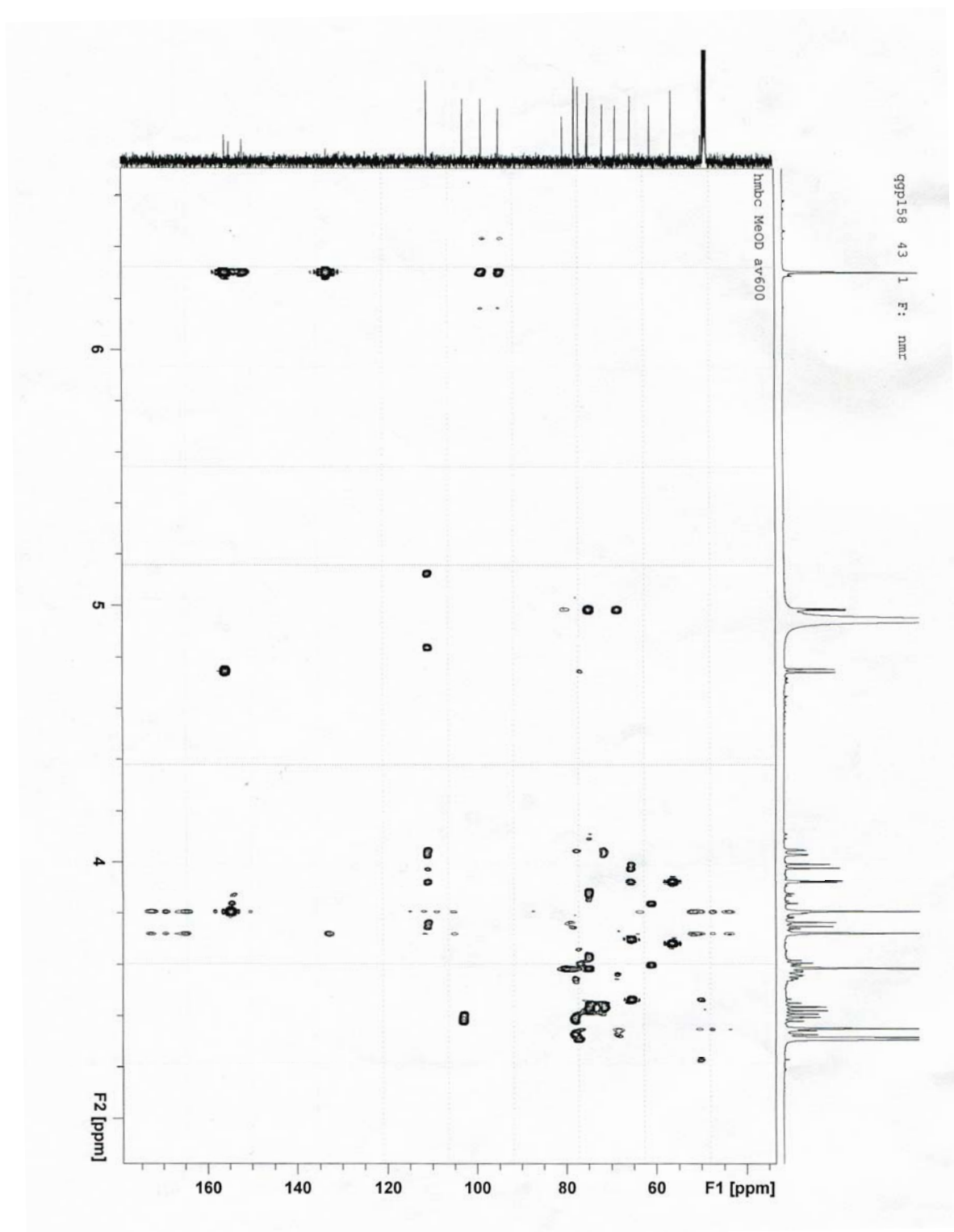
Figure S16. HMBC spectrum of compound **3** in CD₃OD.

Figure S17. ^1H - ^1H COSY spectrum of compound **3** in CD_3OD .