

Supplementary data

Anti-Wrinkling Effect of 3,4,5-tri-*O*-Caffeoylquinic Acid from the Roots of *Nymphoides peltata* through MAPK/AP-1, NF- κ B, and Nrf2 Signaling in UVB-Irradiated HaCaT Cells

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Figure S1. The ^1H NMR spectrum of compound **1** (Chloroform- d , 500 MHz)

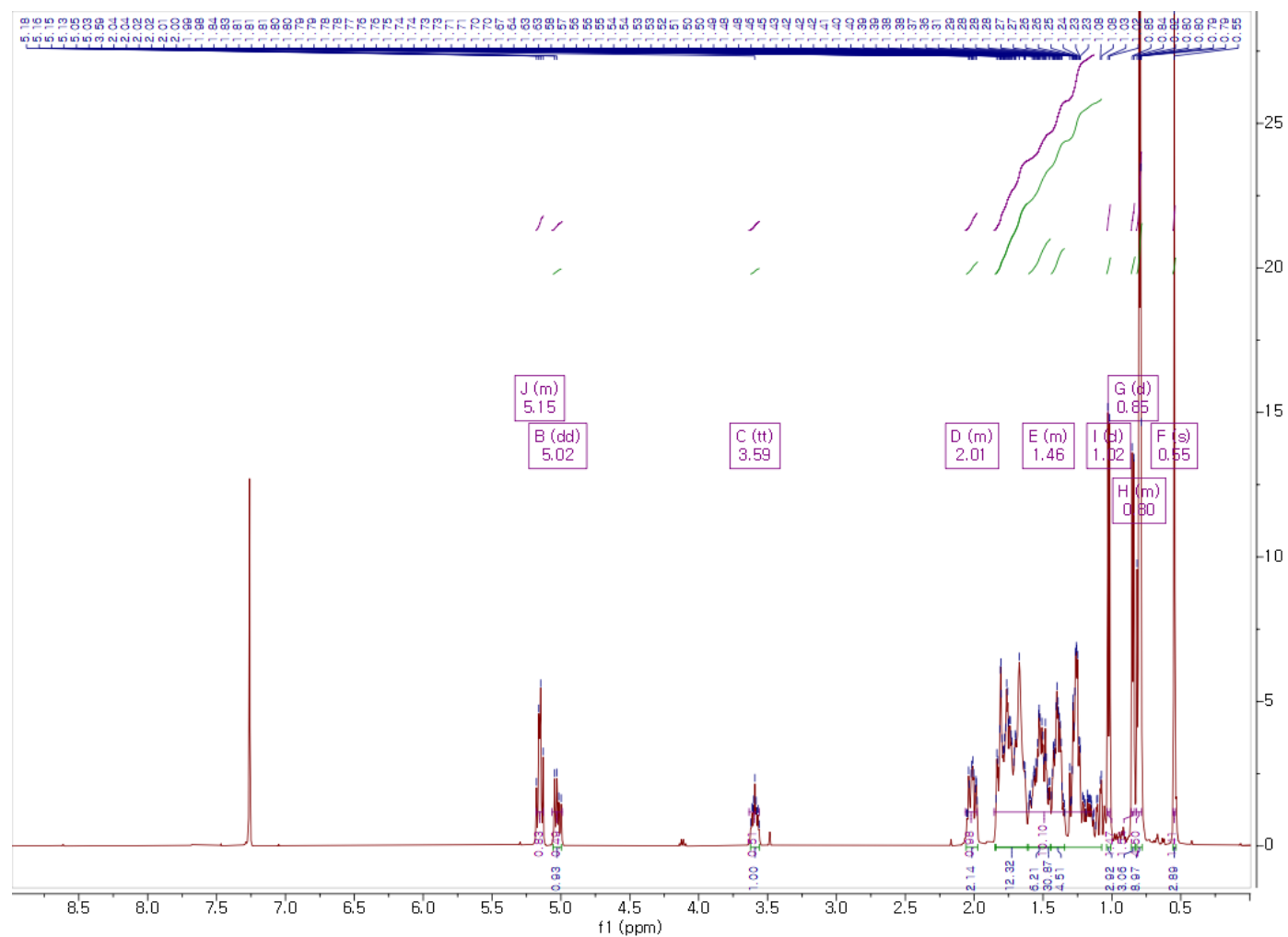


Figure S2. The ^1H NMR spectrum of compound **2** ($\text{DMSO}-d_6$, 400 MHz)

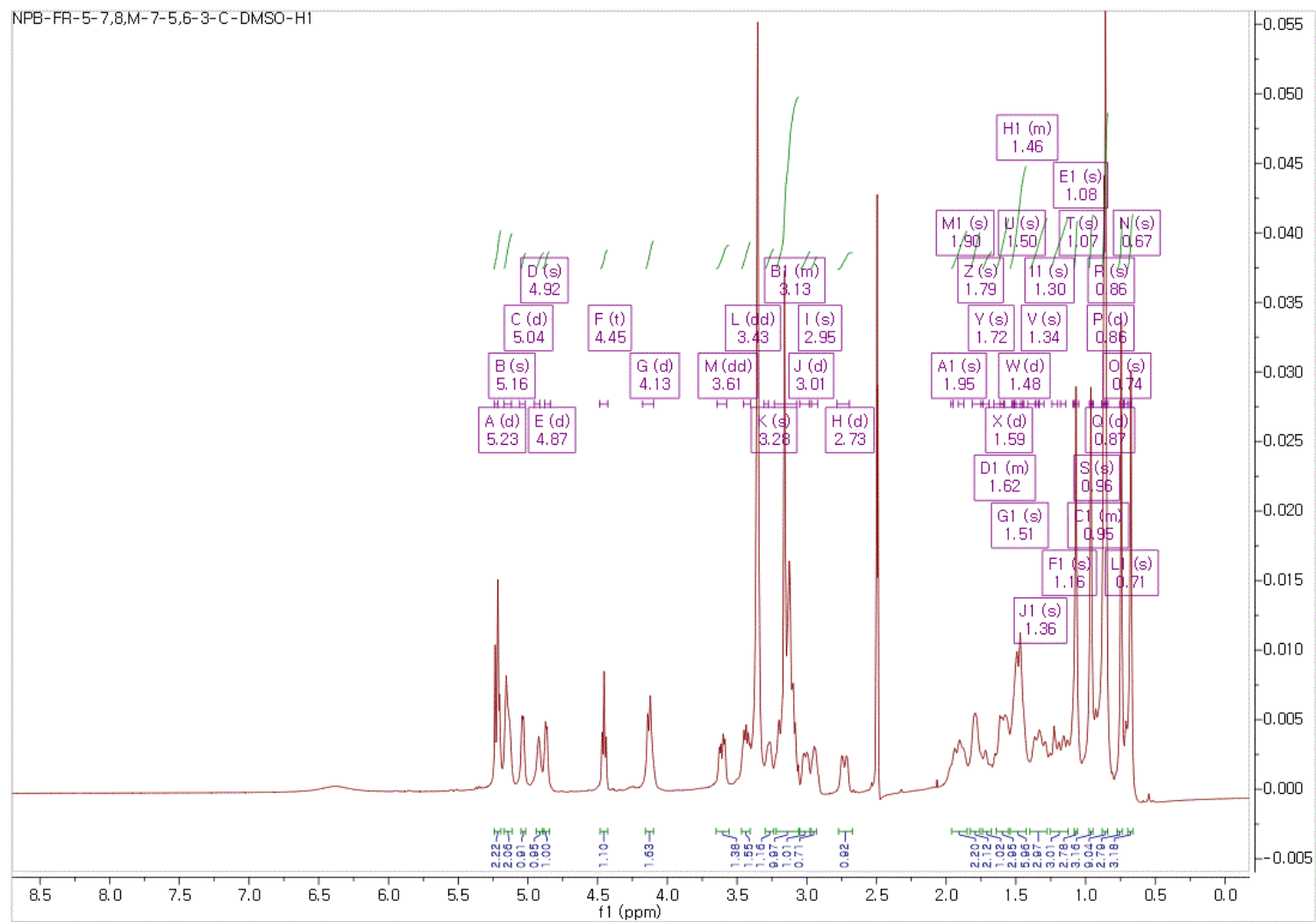


Figure S3. The ^{13}C NMR spectrum of compound **2** (DMSO- d_6 , 100 MHz)

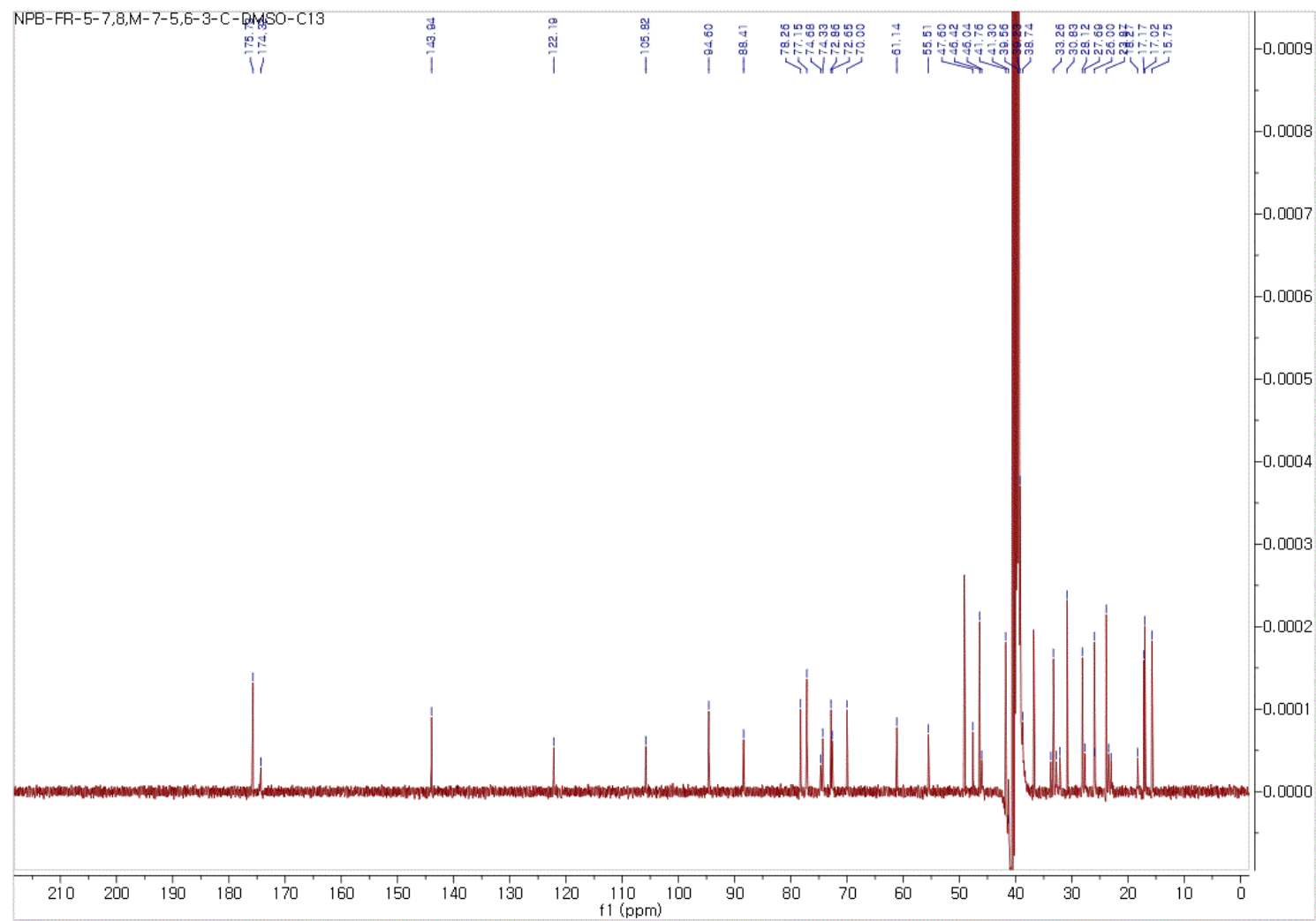


Figure S4. The ^1H - ^1H COSY spectrum of compound **2**

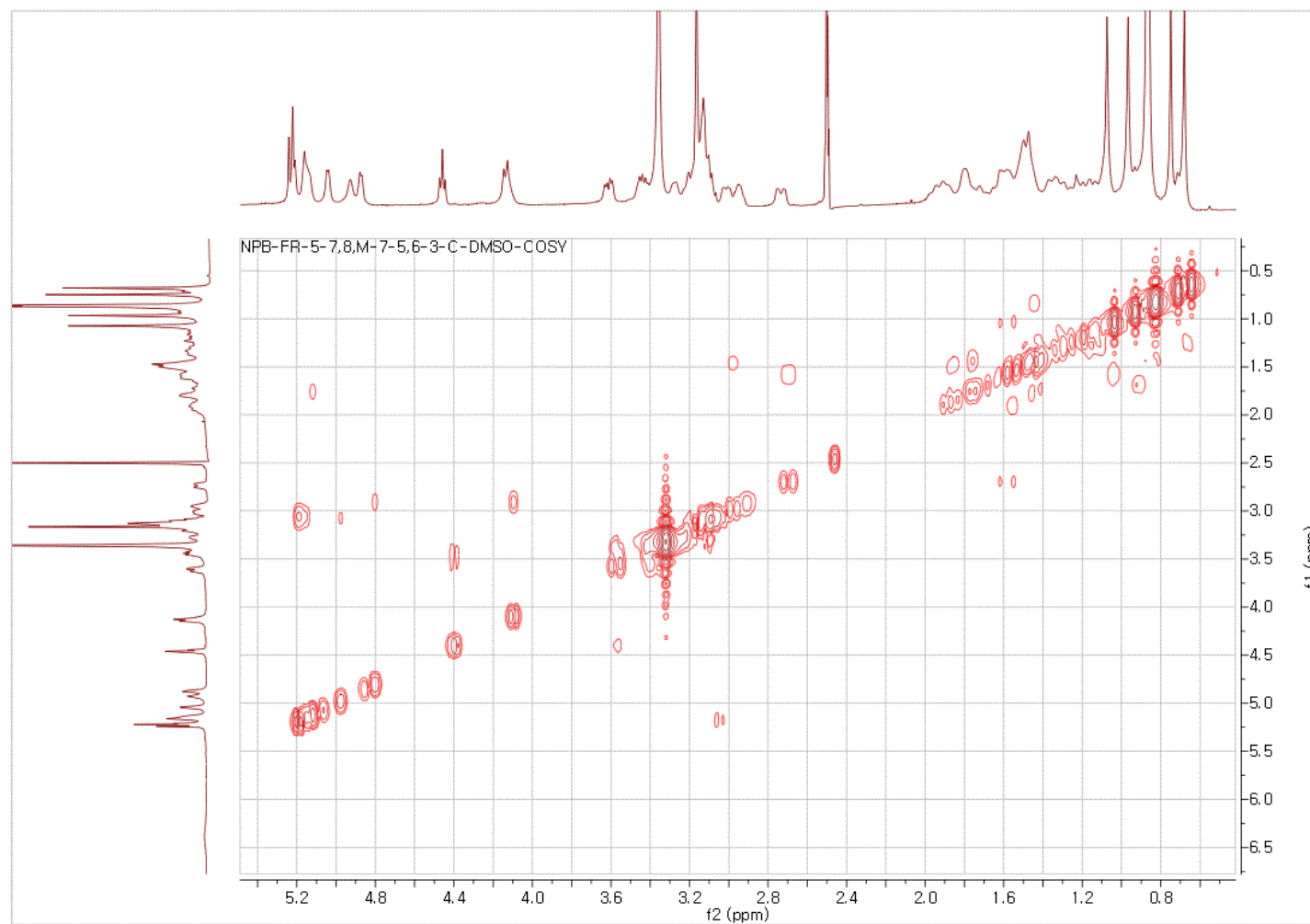


Figure S5. The HSQC spectrum of compound **2**

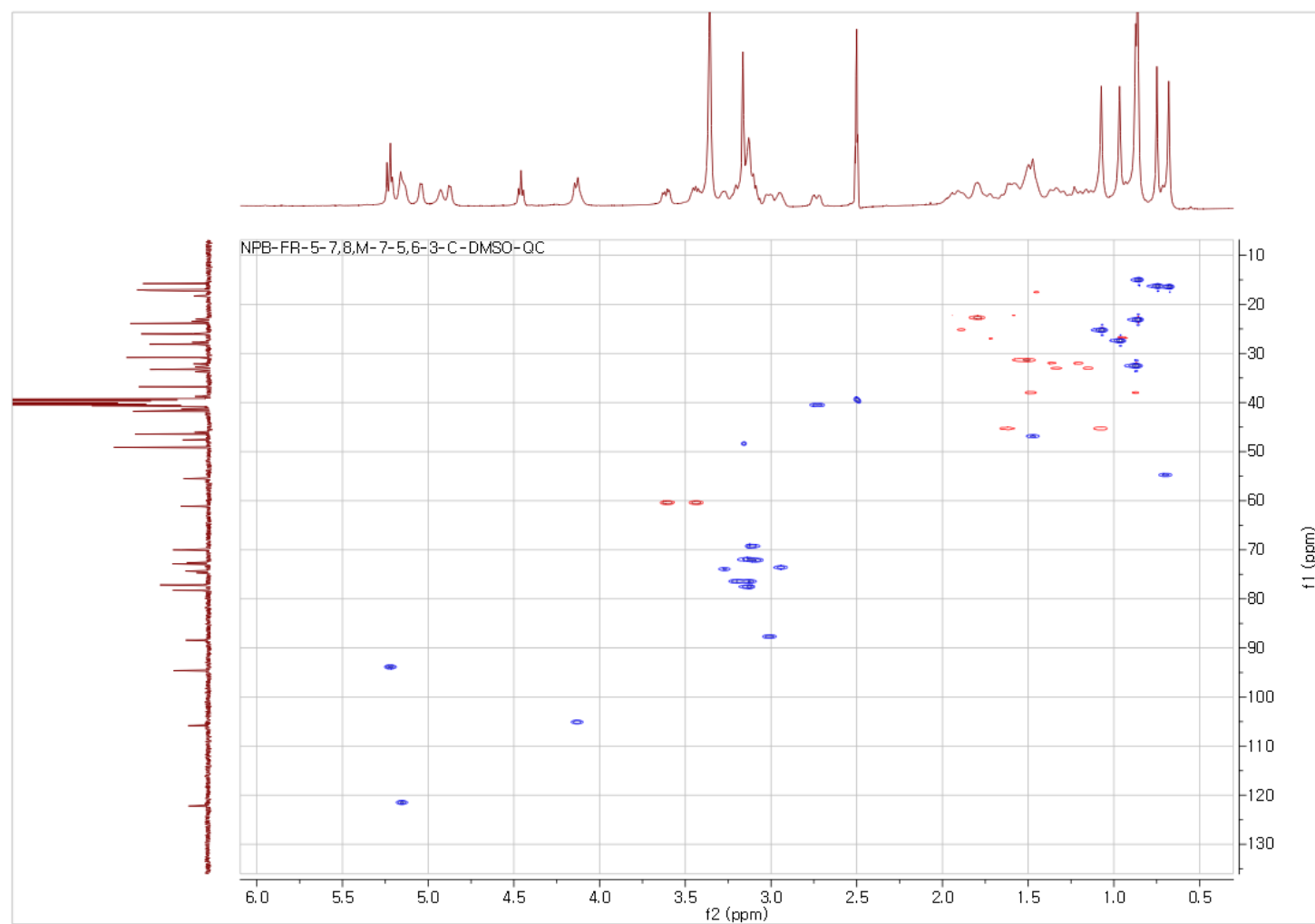


Figure S6. The HMBC spectrum of compound **2**

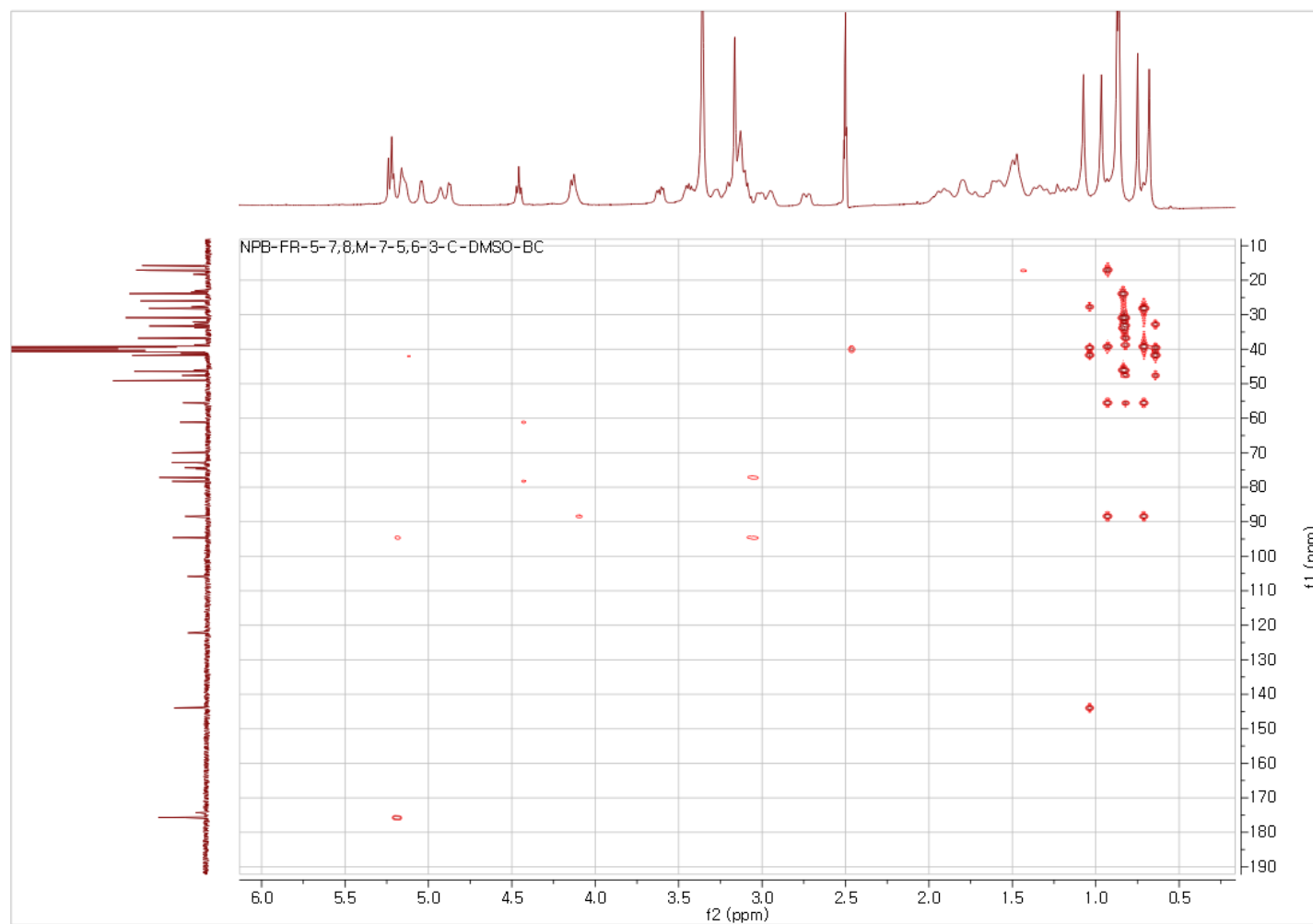
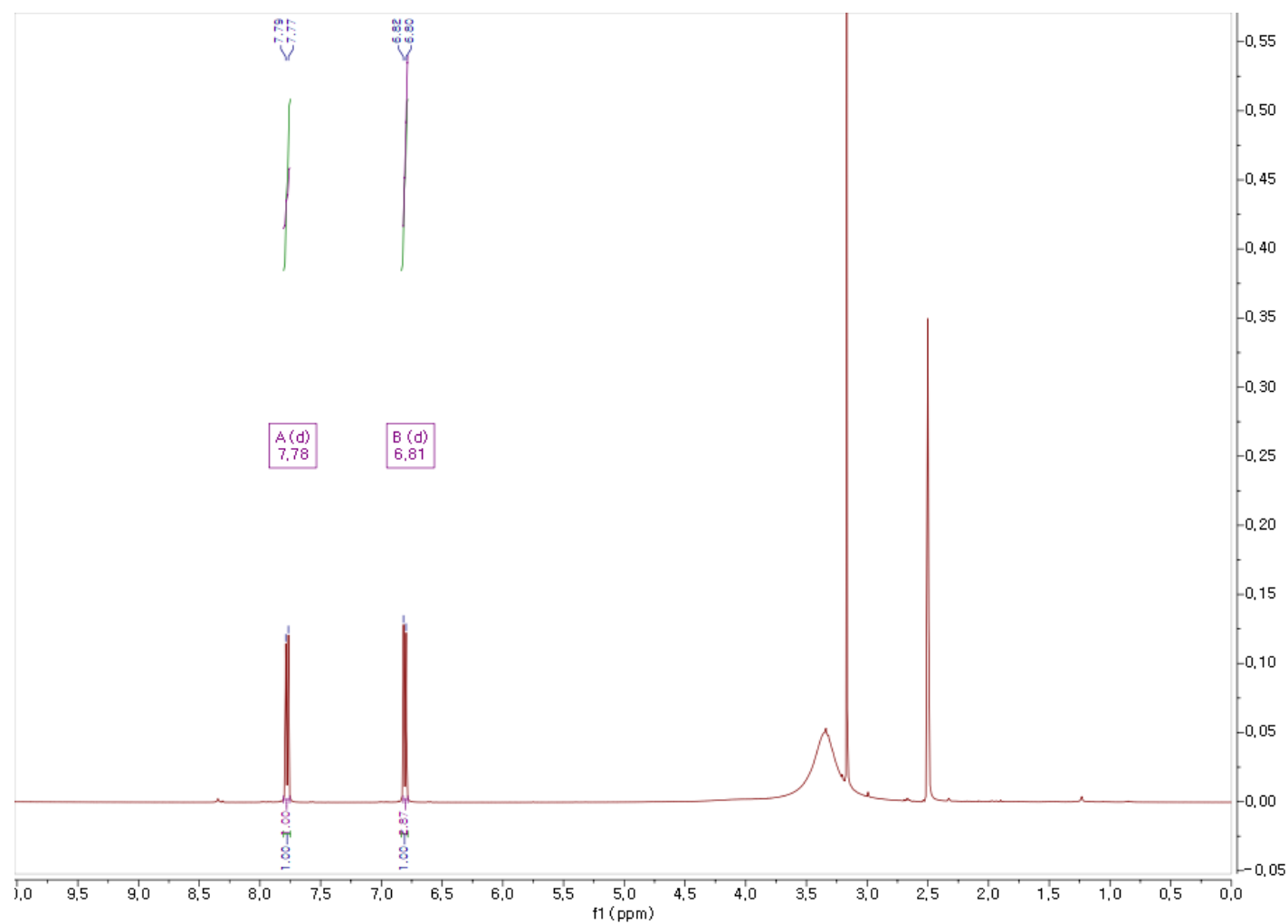


Figure S7. The ^1H NMR spectrum of compound **3** ($\text{DMSO}-d_6$, 400 MHz)



[illegible]

Figure S9. The ^1H NMR spectrum of compound **5** ($\text{DMSO}-d_6$, 400 MHz)

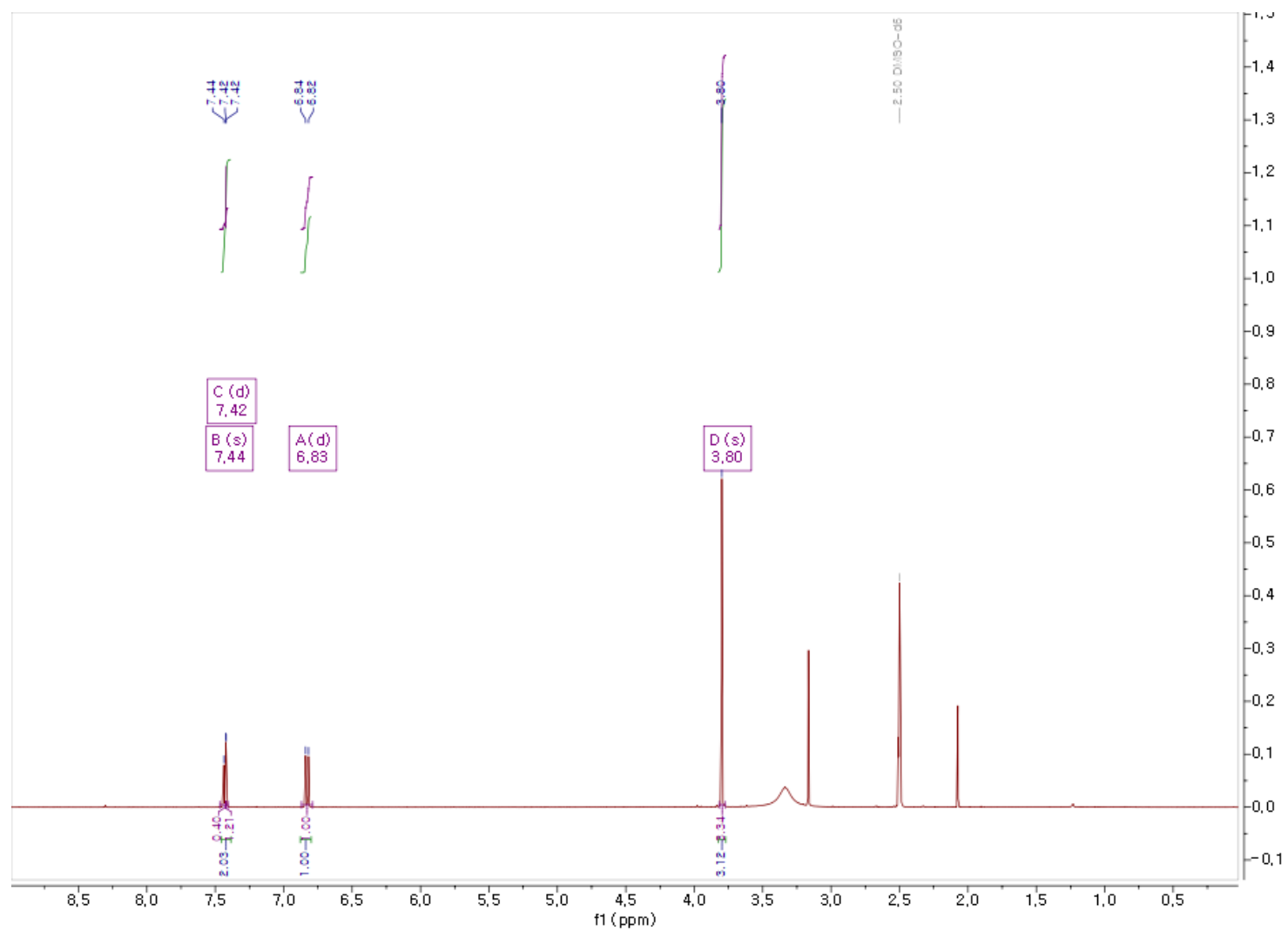


Figure S10. The ^1H NMR spectrum of compound **6** ($\text{DMSO}-d_6$, 400 MHz)

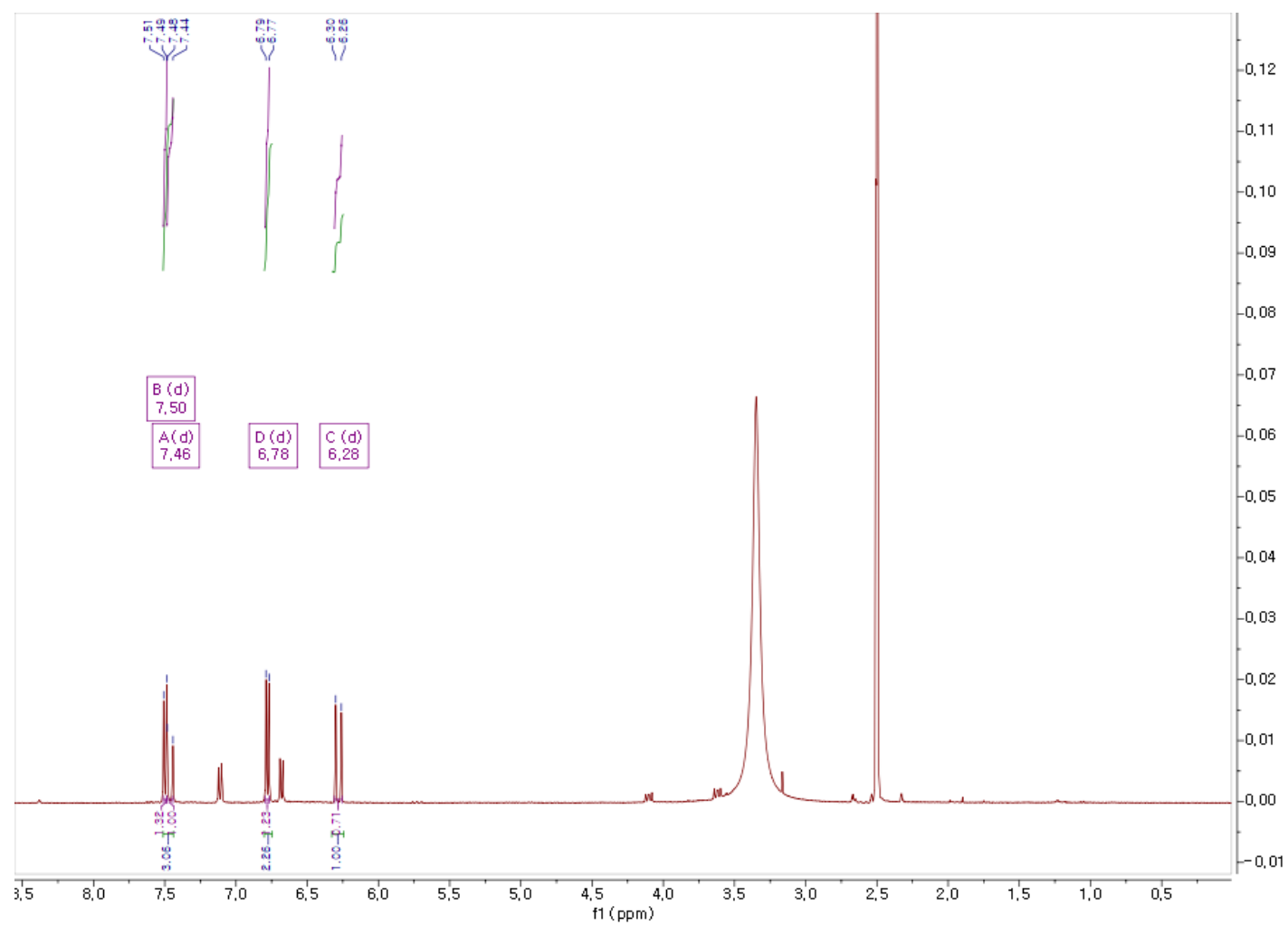


Figure S11. The ^1H NMR spectrum of compound **7** ($\text{DMSO}-d_6$, 400 MHz)

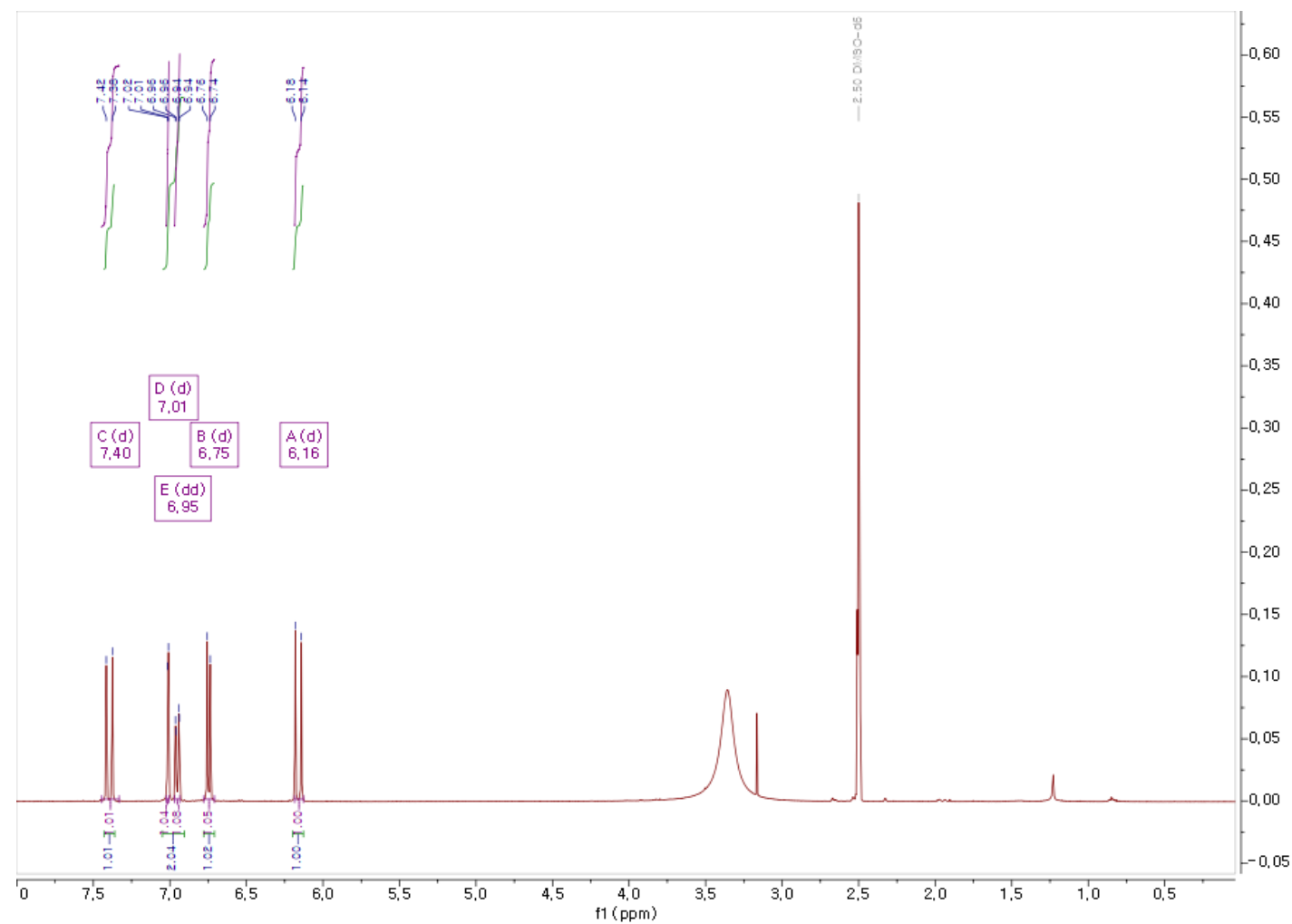


Figure S12. The ^1H NMR spectrum of compound **8** ($\text{DMSO-}d_6$, 400 MHz)

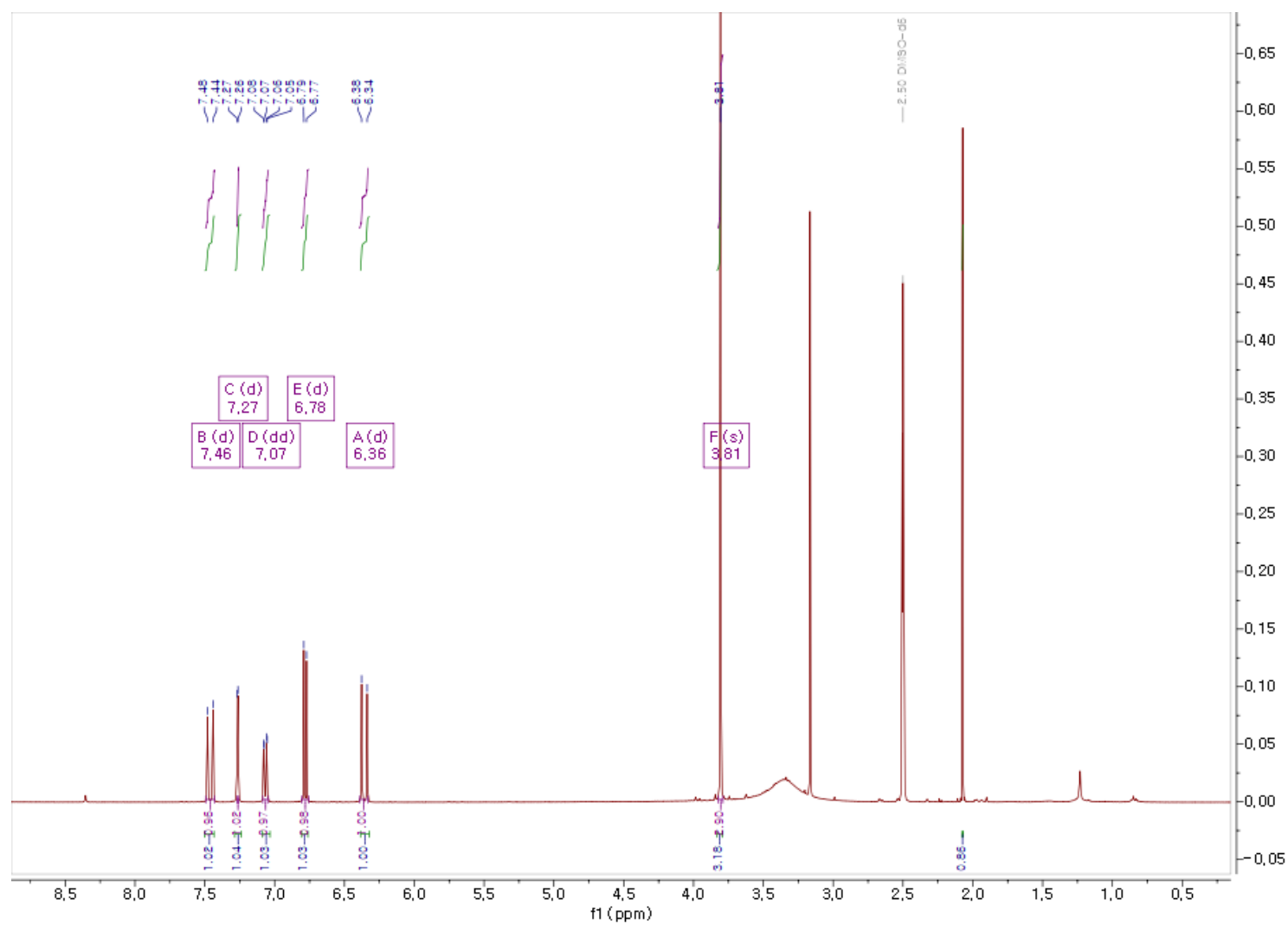


Figure S13. The ^1H NMR spectrum of compound **9** ($\text{DMSO}-d_6$, 400 MHz)

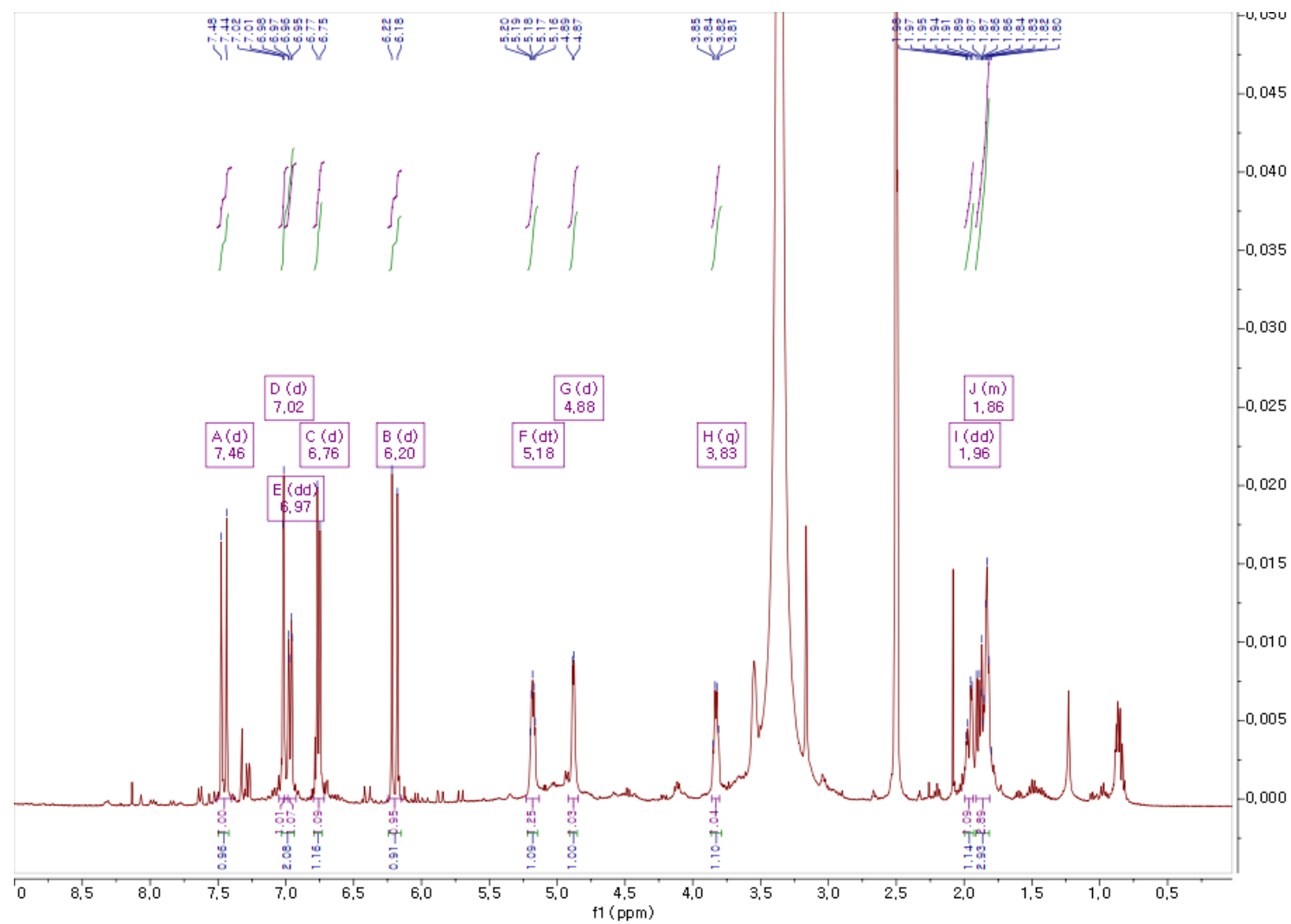


Figure S15. The ^1H NMR spectrum of compound **11** ($\text{DMSO}-d_6$, 400 MHz)

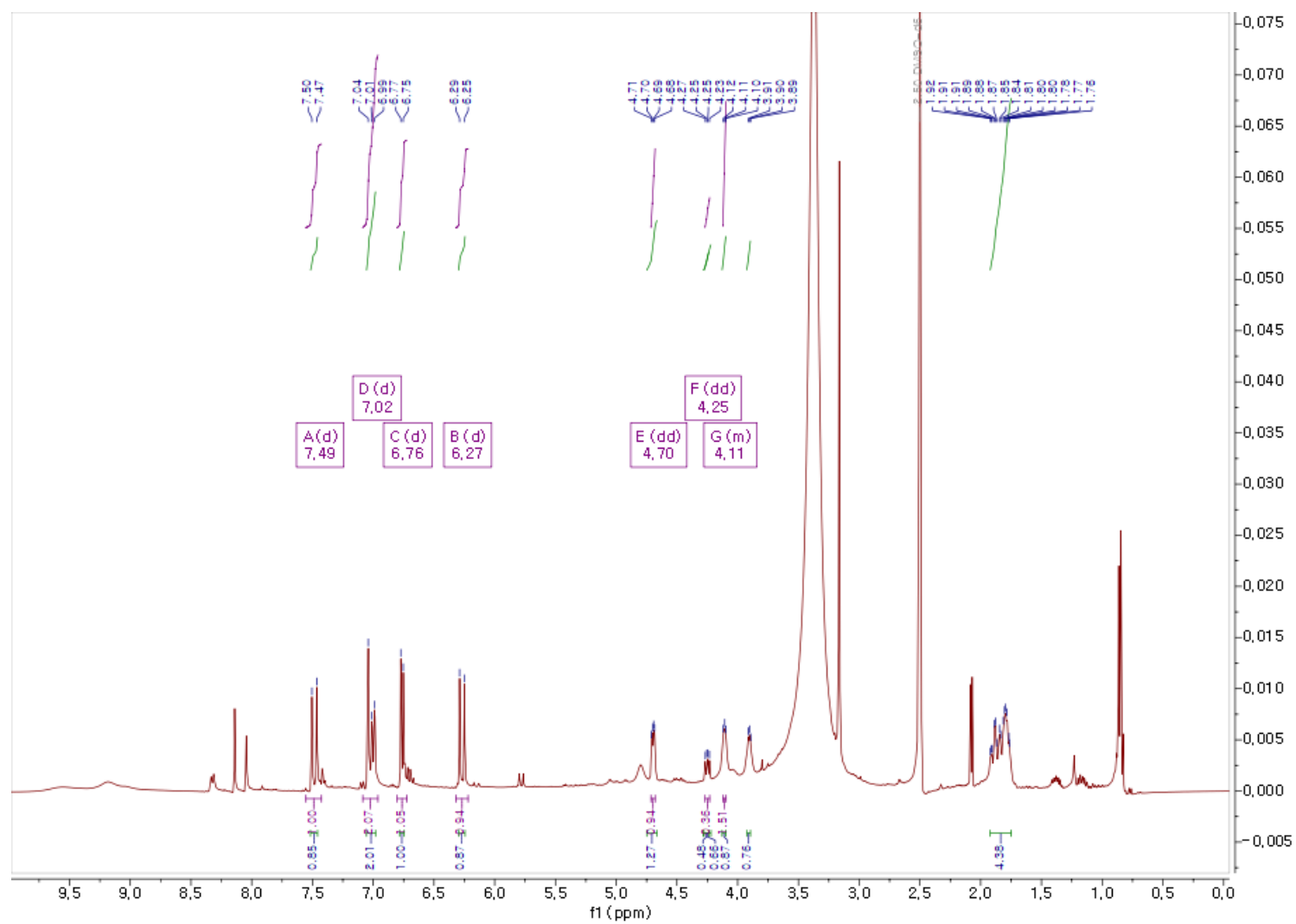


Figure S16. The ^1H NMR spectrum of compound **12** ($\text{DMSO}-d_6$, 400 MHz)

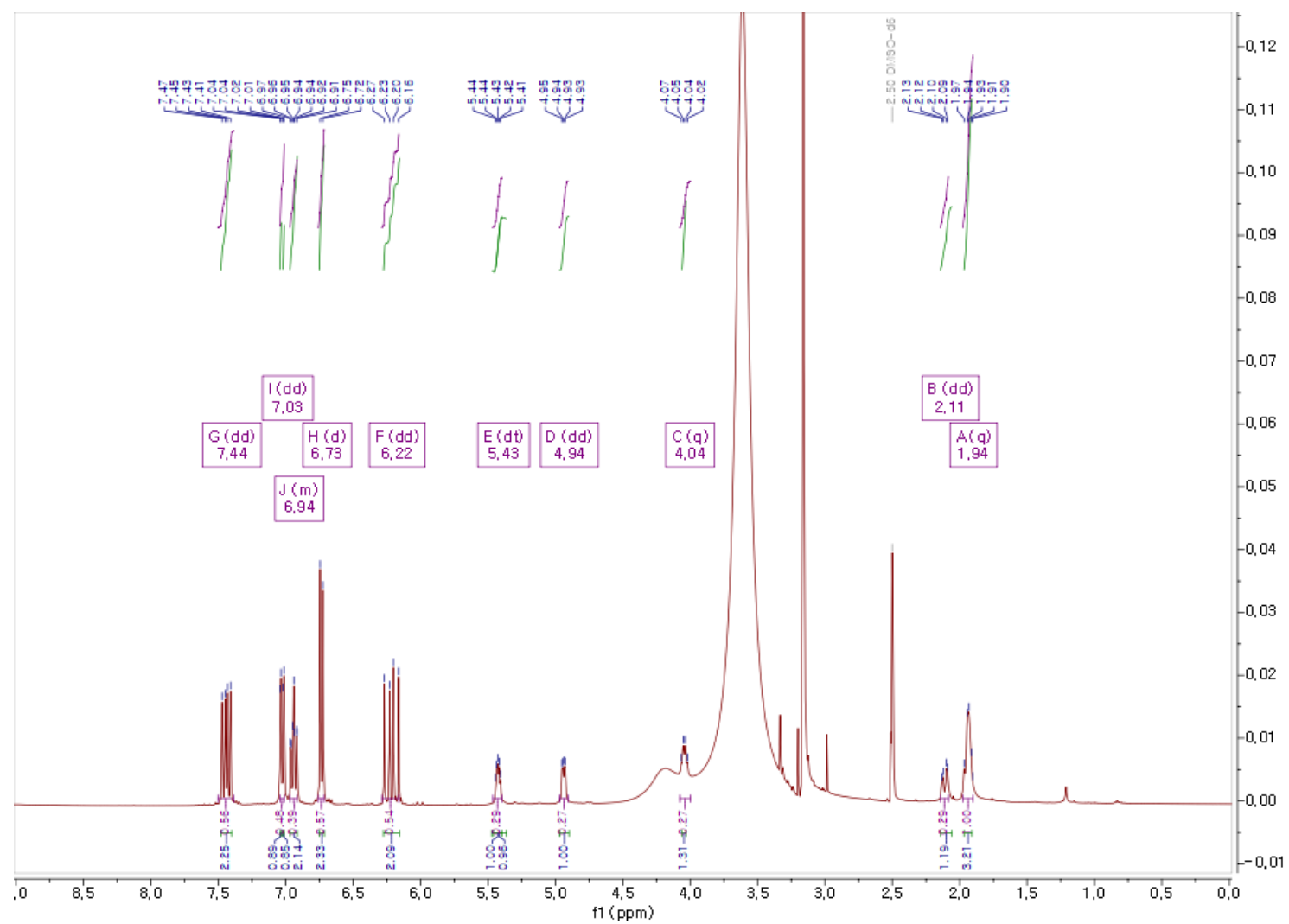


Figure S17. The ^1H NMR spectrum of compound **13** ($\text{DMSO}-d_6$, 400 MHz)

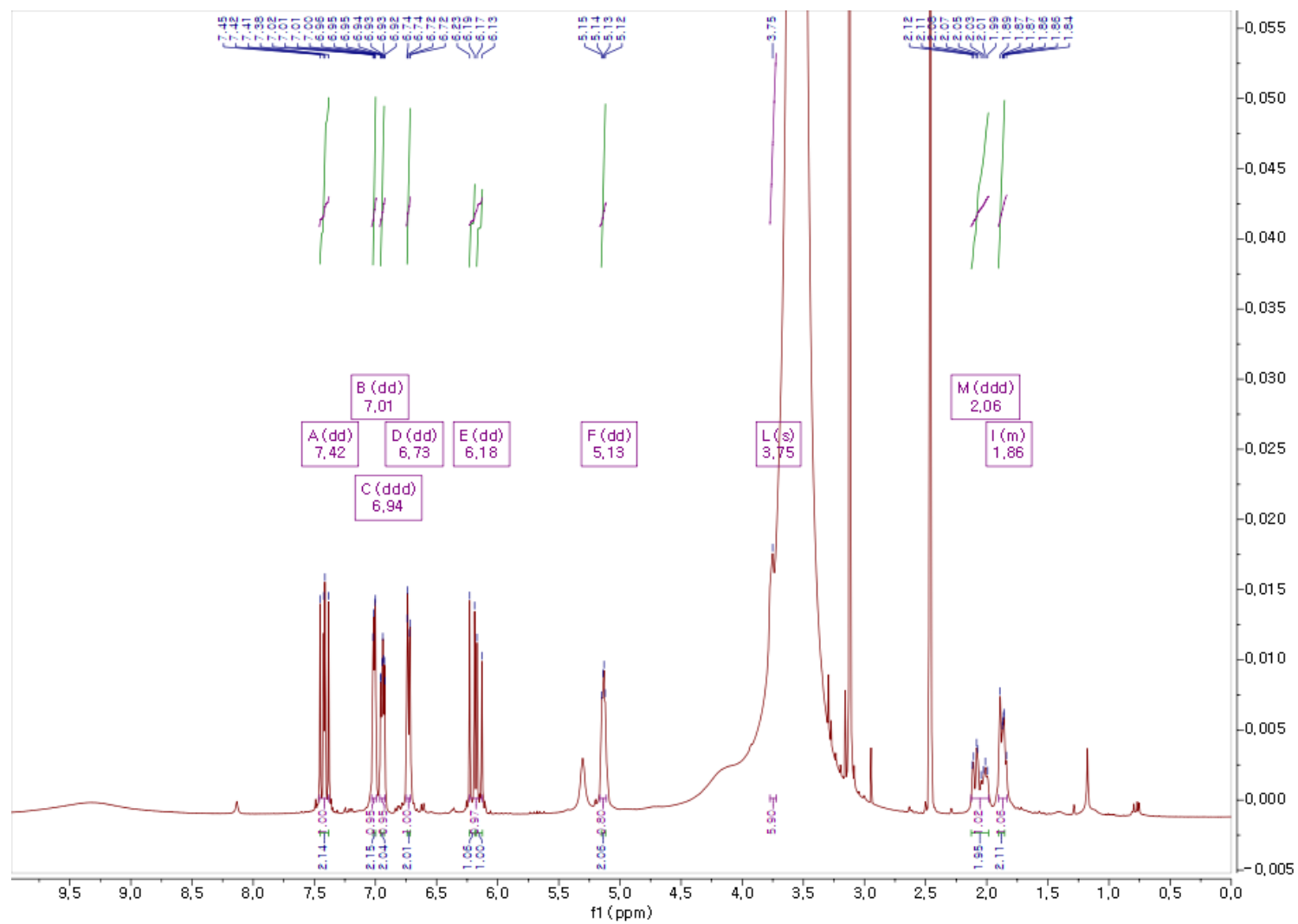


Figure S18. The ^1H NMR spectrum of compound **14** ($\text{DMSO}-d_6$, 400 MHz)

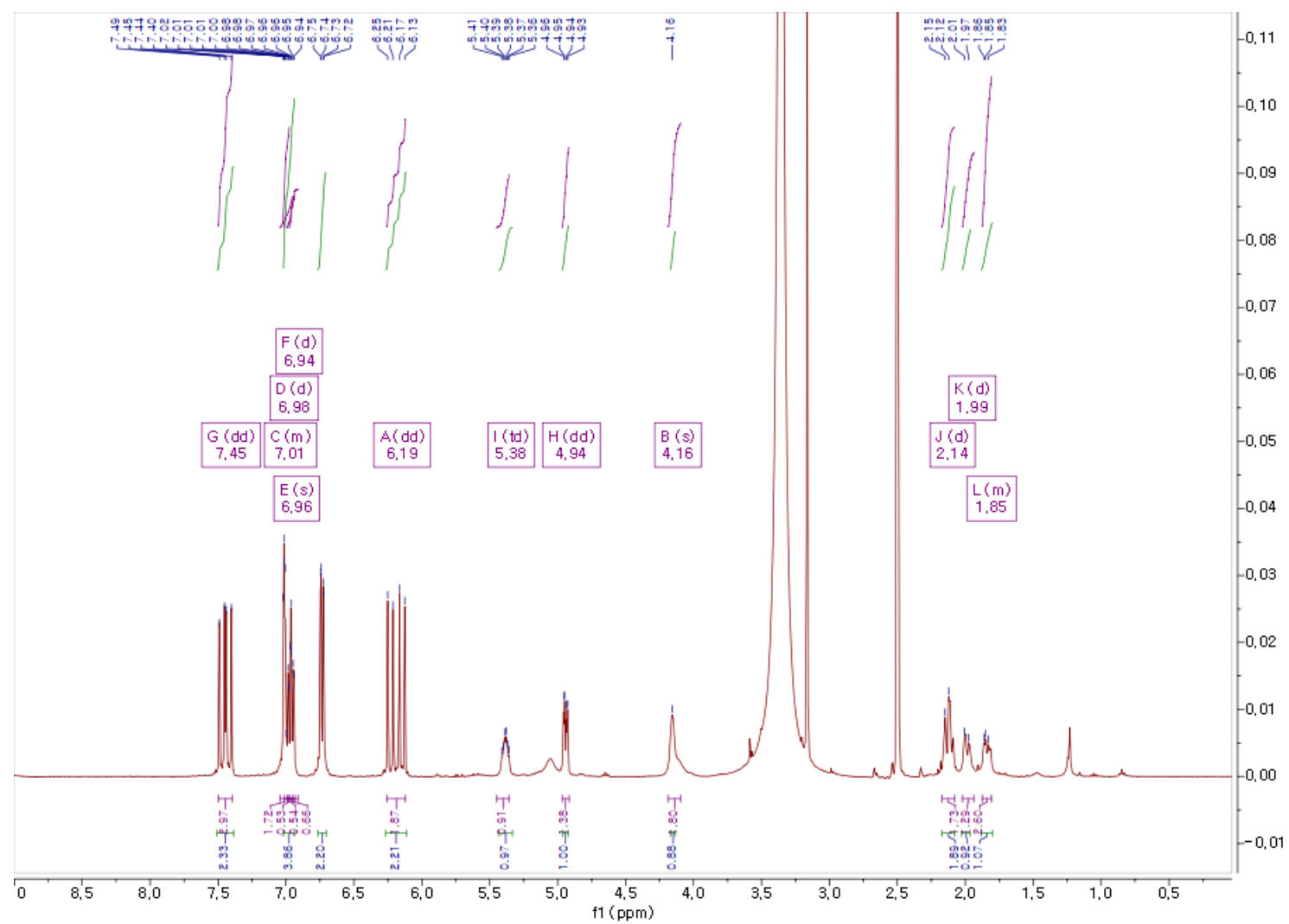


Figure S19. The ^1H NMR spectrum of compound **15** ($\text{DMSO}-d_6$, 400 MHz)

