

Supporting Information: Green hydroselenation of aryl alkynes: divinyl selenides as precursor of resveratrol

Gelson Perin ^{1,*}, Angelita M. Barcellos ¹, Eduardo Q. Luz ¹, Elton L. Borges ¹, Raquel G. Jacob ¹, Eder J. Lenardão, ¹ Luca Sancineto ² and Claudio Santi ^{2,*}

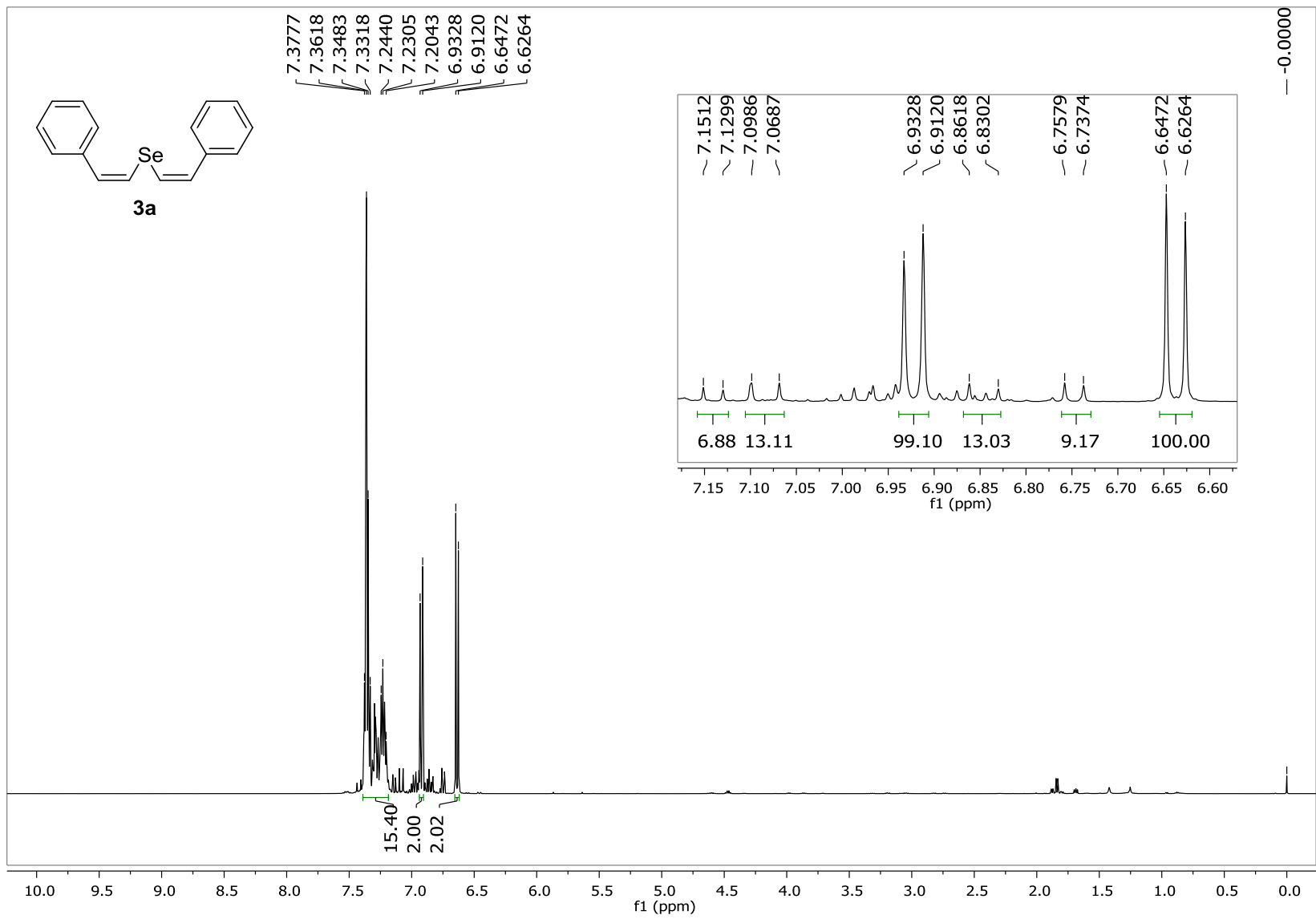


Figure S1. ^1H NMR (500 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-styryl selenide **3a**.

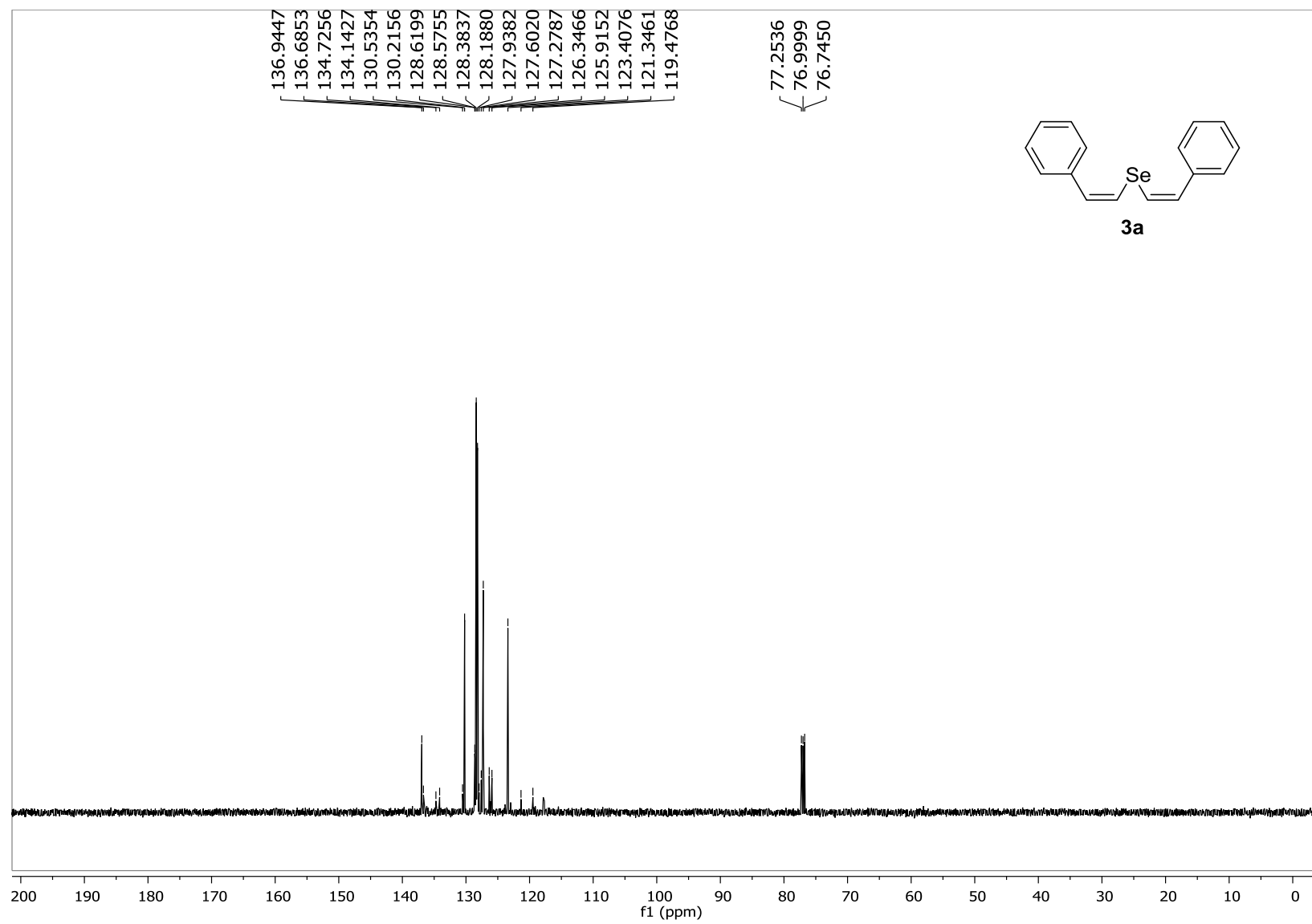


Figure S2. ^{13}C NMR (125 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-styryl selenide **3a**.

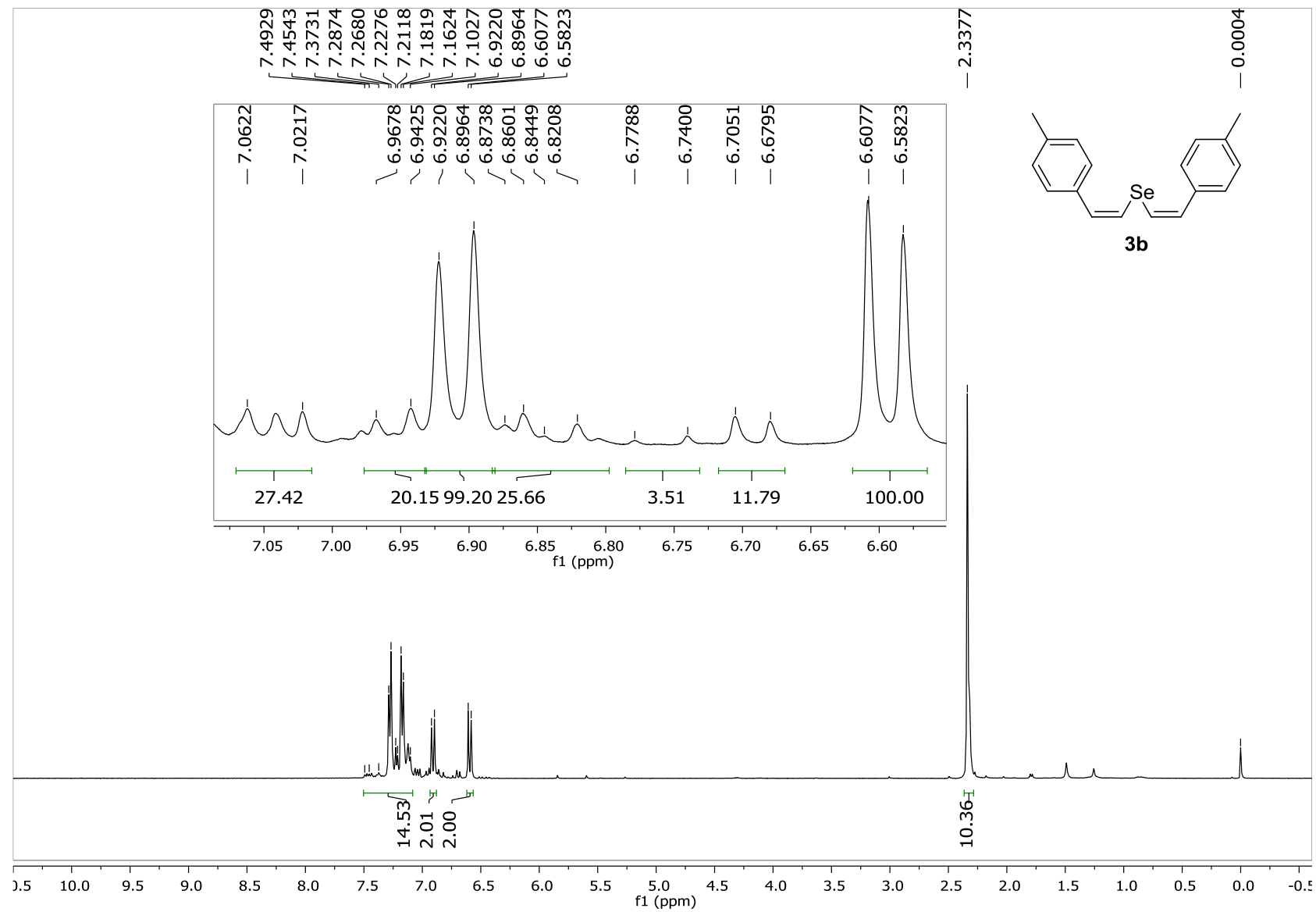


Figure S3. ^1H NMR (400 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-4-methylstyryl selenide **3b**.

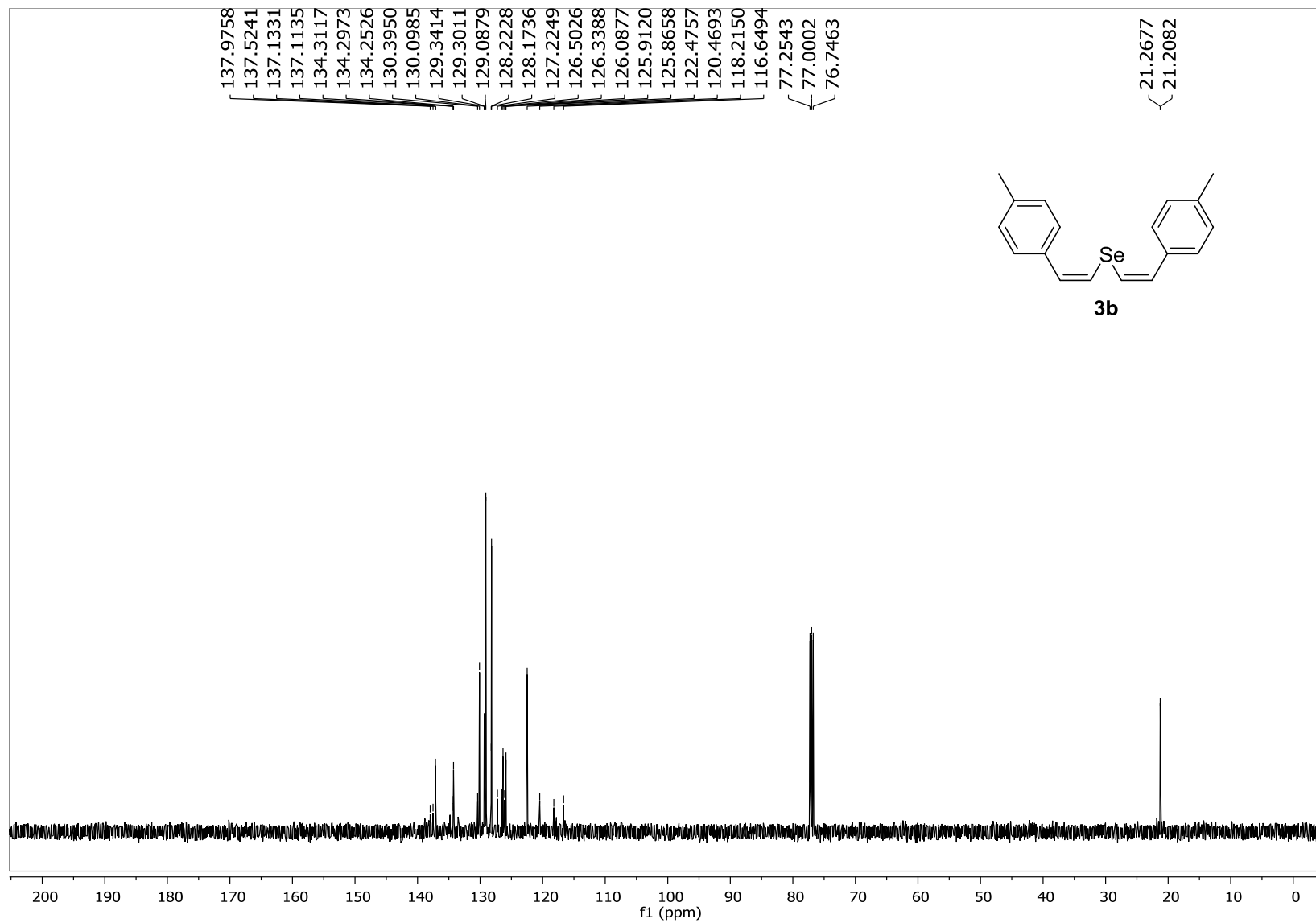


Figure S4. ^{13}C NMR (125 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-4-methylstyryl selenide **3b**.

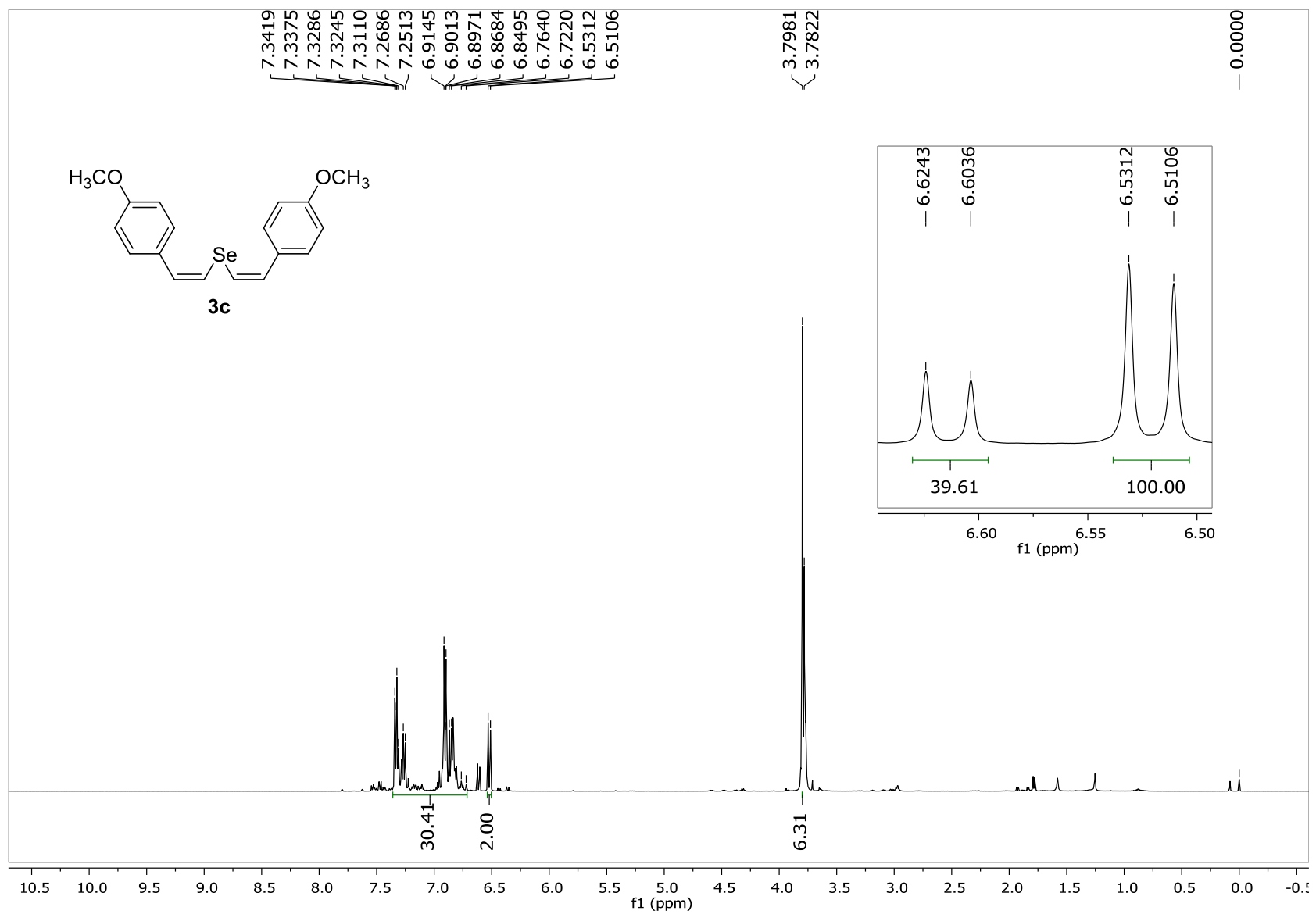


Figure S5. ^1H NMR (500 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-4-methoxystyryl selenide **3c**.

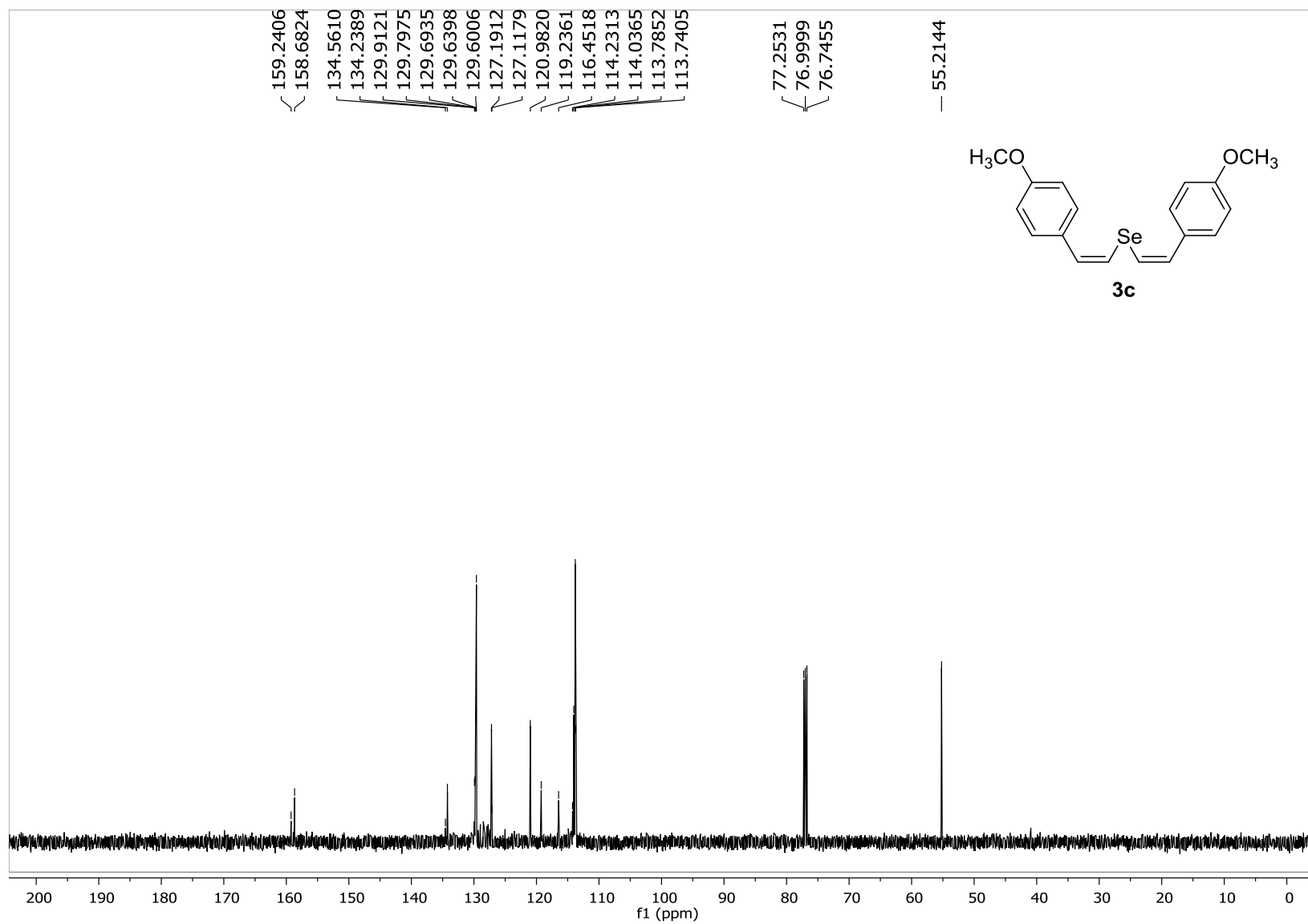


Figure S6. ^{13}C NMR (125 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-4-methoxystyryl selenide **3c**.

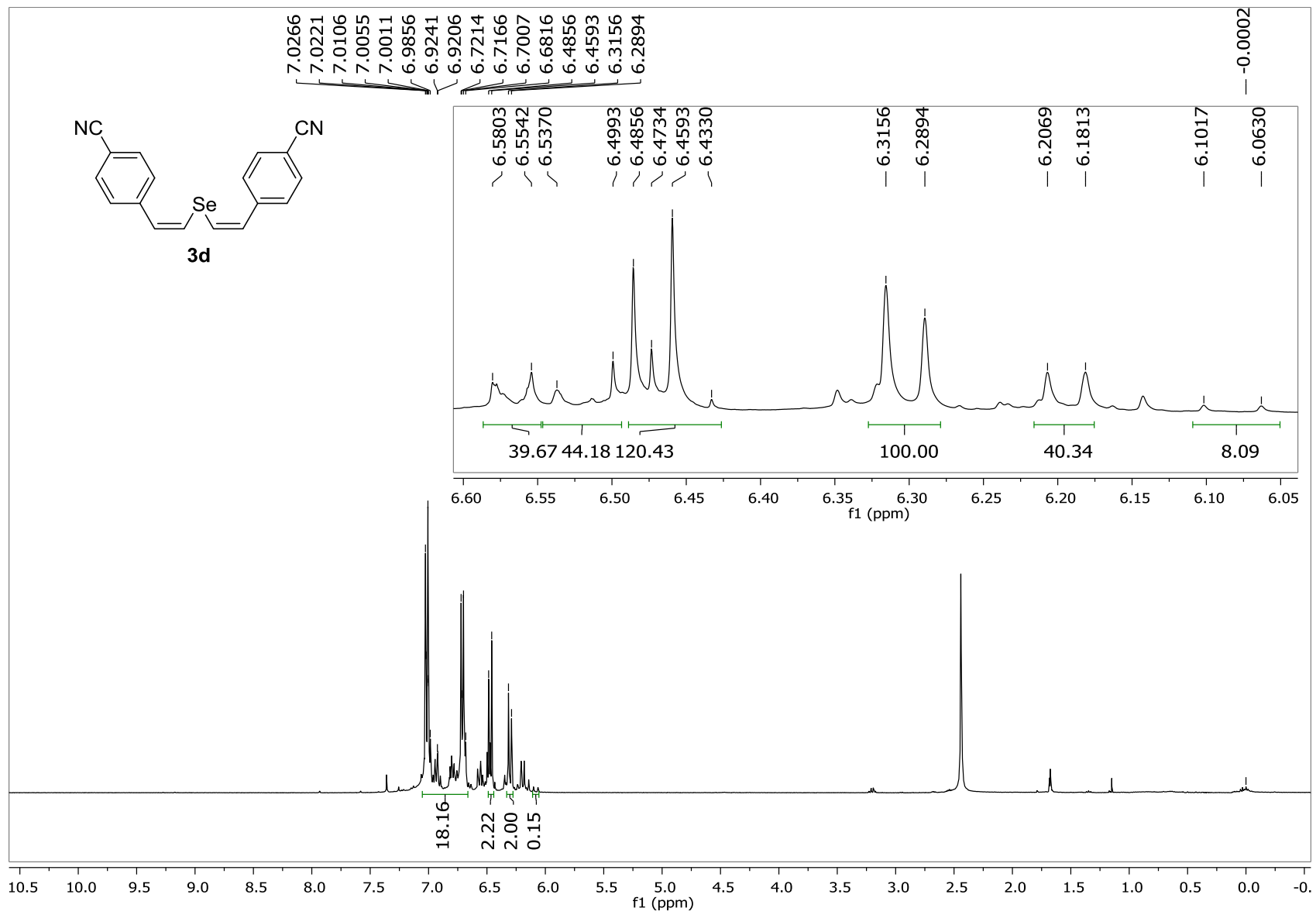


Figure S7. ^1H NMR (400 MHz, $\text{DMSO-}d_6$) spectrum of bis-(*Z,Z*)-4-cyanostyryl selenide **3d**.

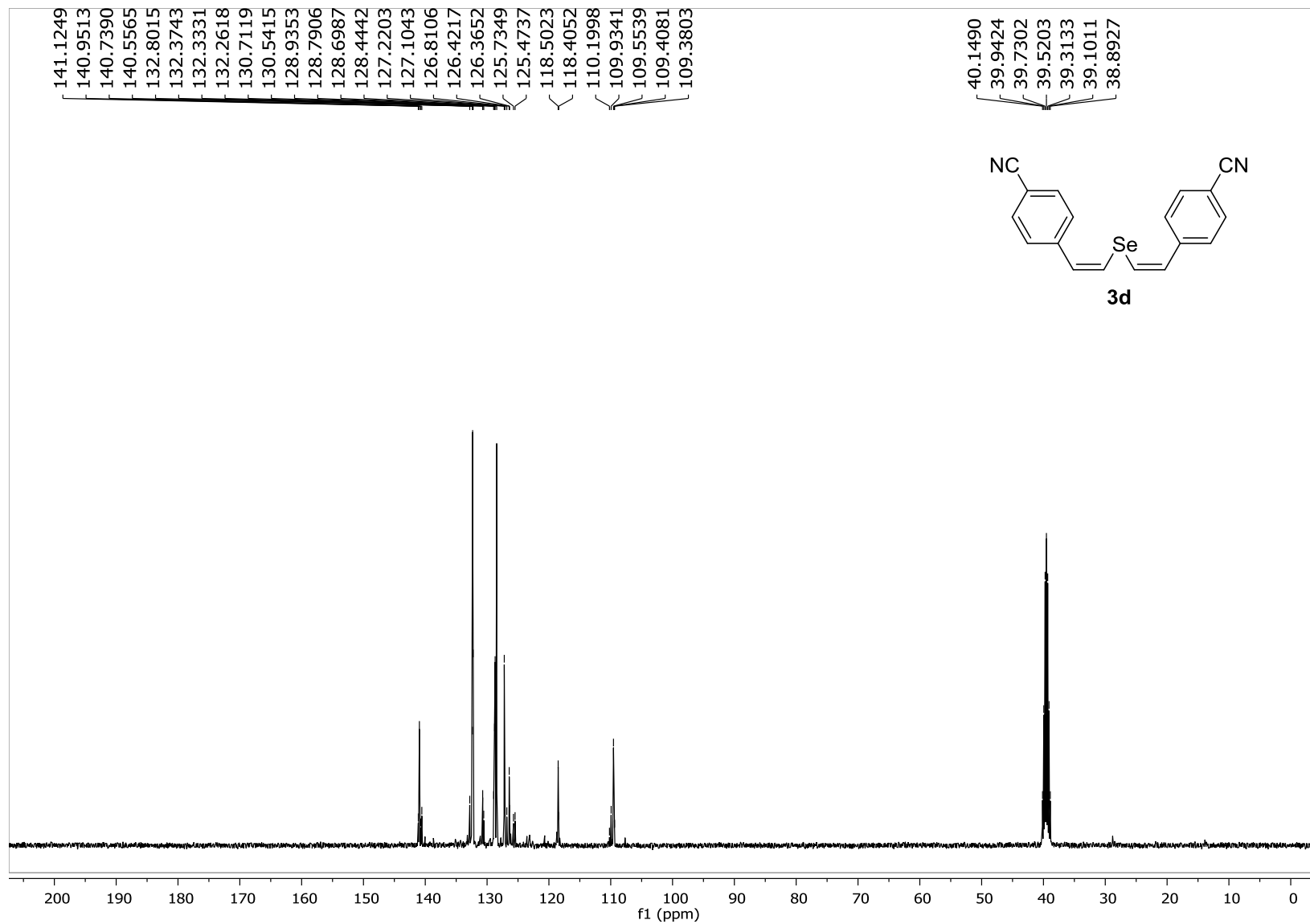


Figure S8. ^{13}C NMR (125 MHz, $\text{DMSO-}d_6$) spectrum of bis-(*Z,Z*)-4-cyanostyryl selenide **3d**.

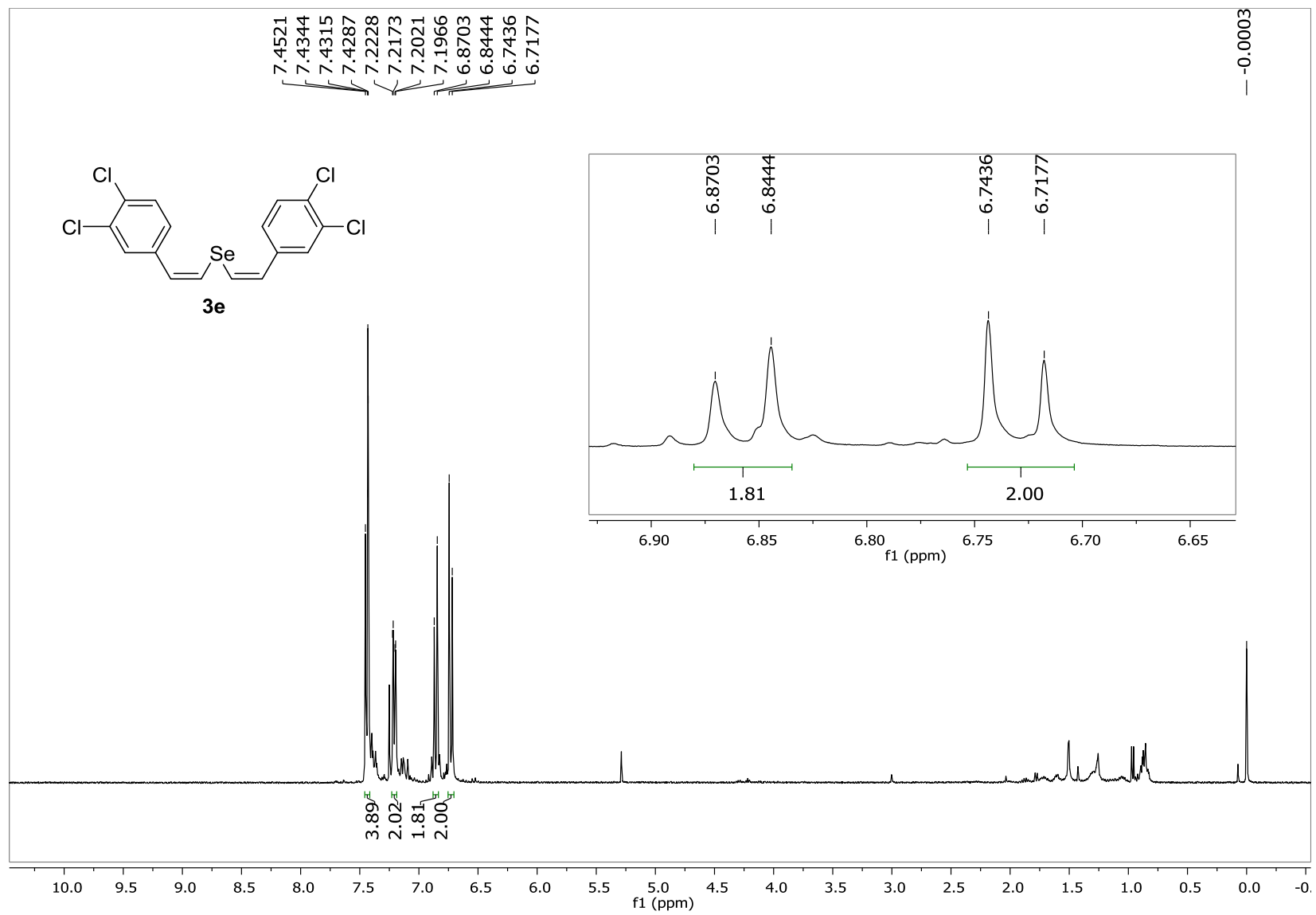


Figure S9. ^1H NMR (400 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-3,4-dichlorostyryl selenide **3e**.

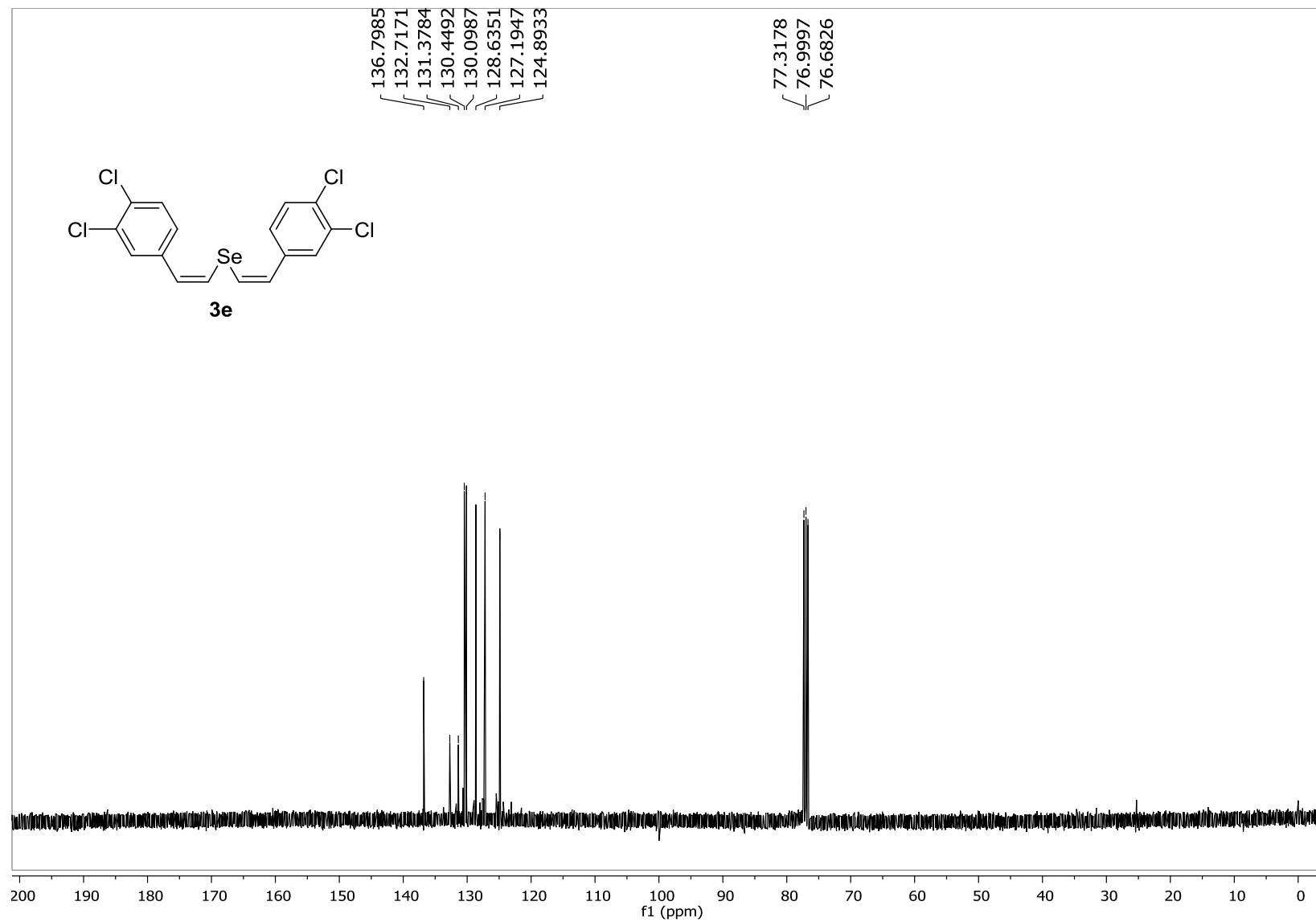


Figure S10. ^{13}C NMR (100 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-3,4-dichlorostyryl selenide **3e**.

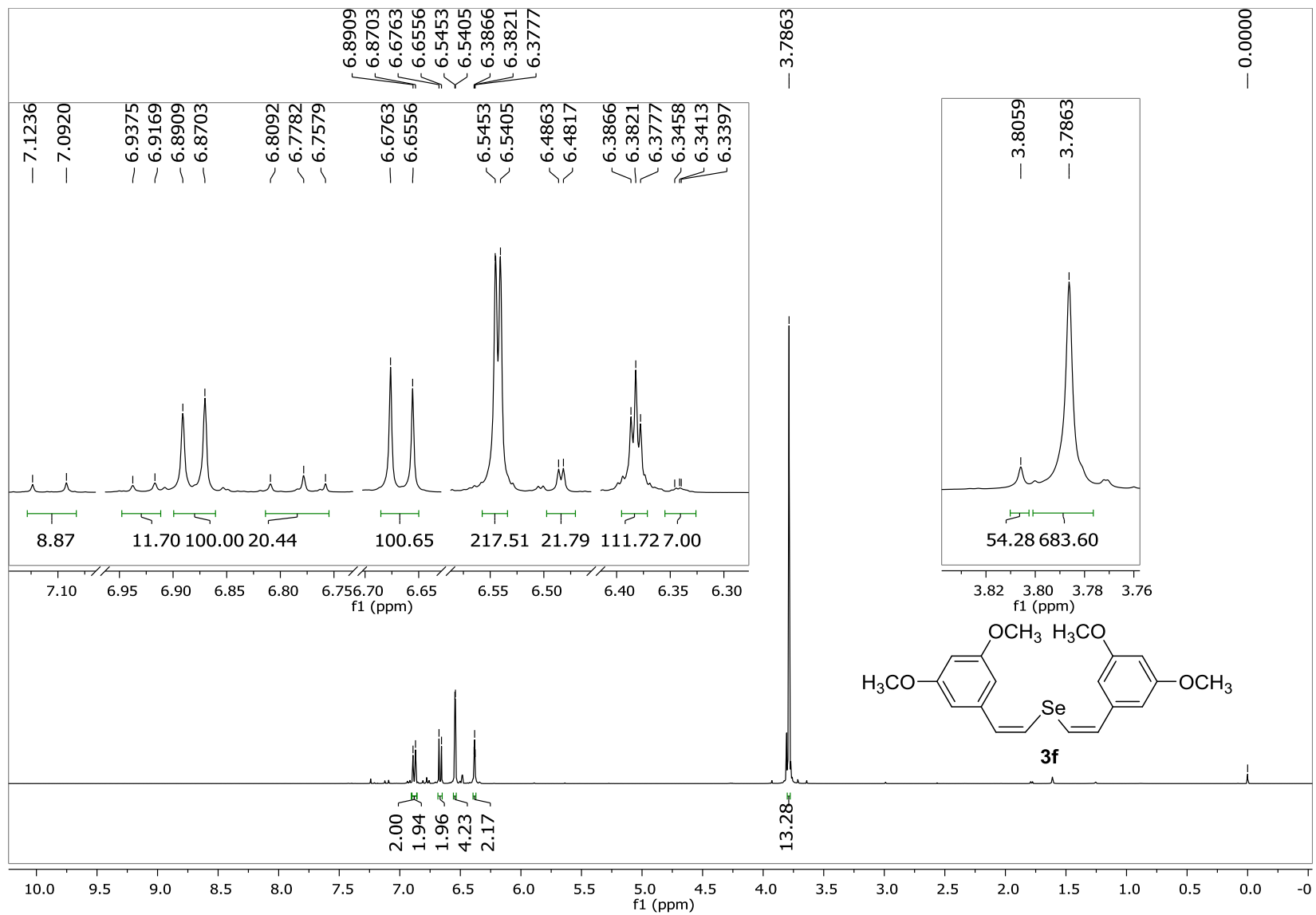


Figure S11. ^{13}C NMR (400 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-3,5-dimethoxystyryl selenide **3f**.

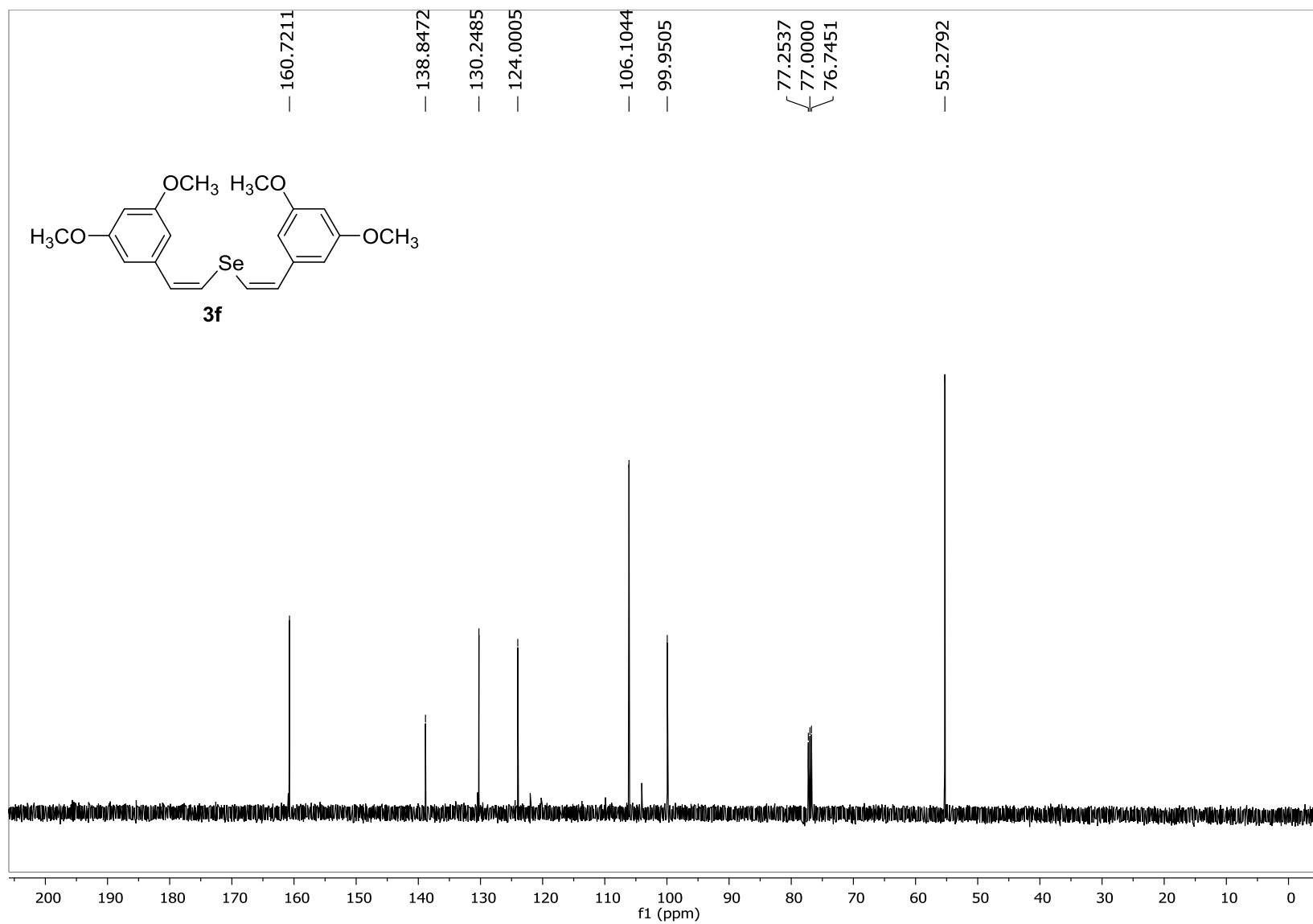


Figure S12. ^{13}C NMR (125 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-3,5-dimethoxystyryl selenide **3f**.

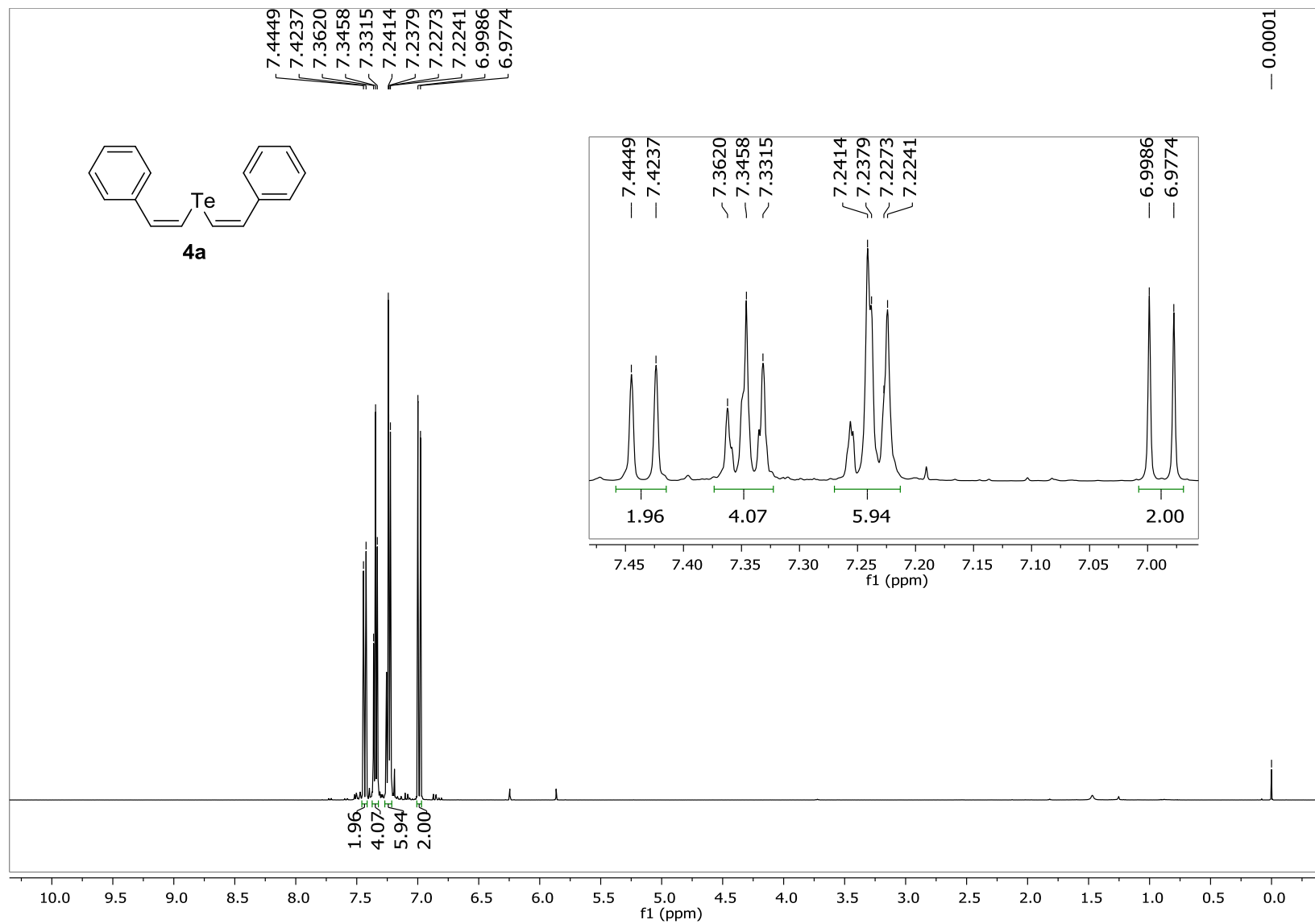


Figure S13. ^1H NMR (400 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-styryl telluride **4a**.

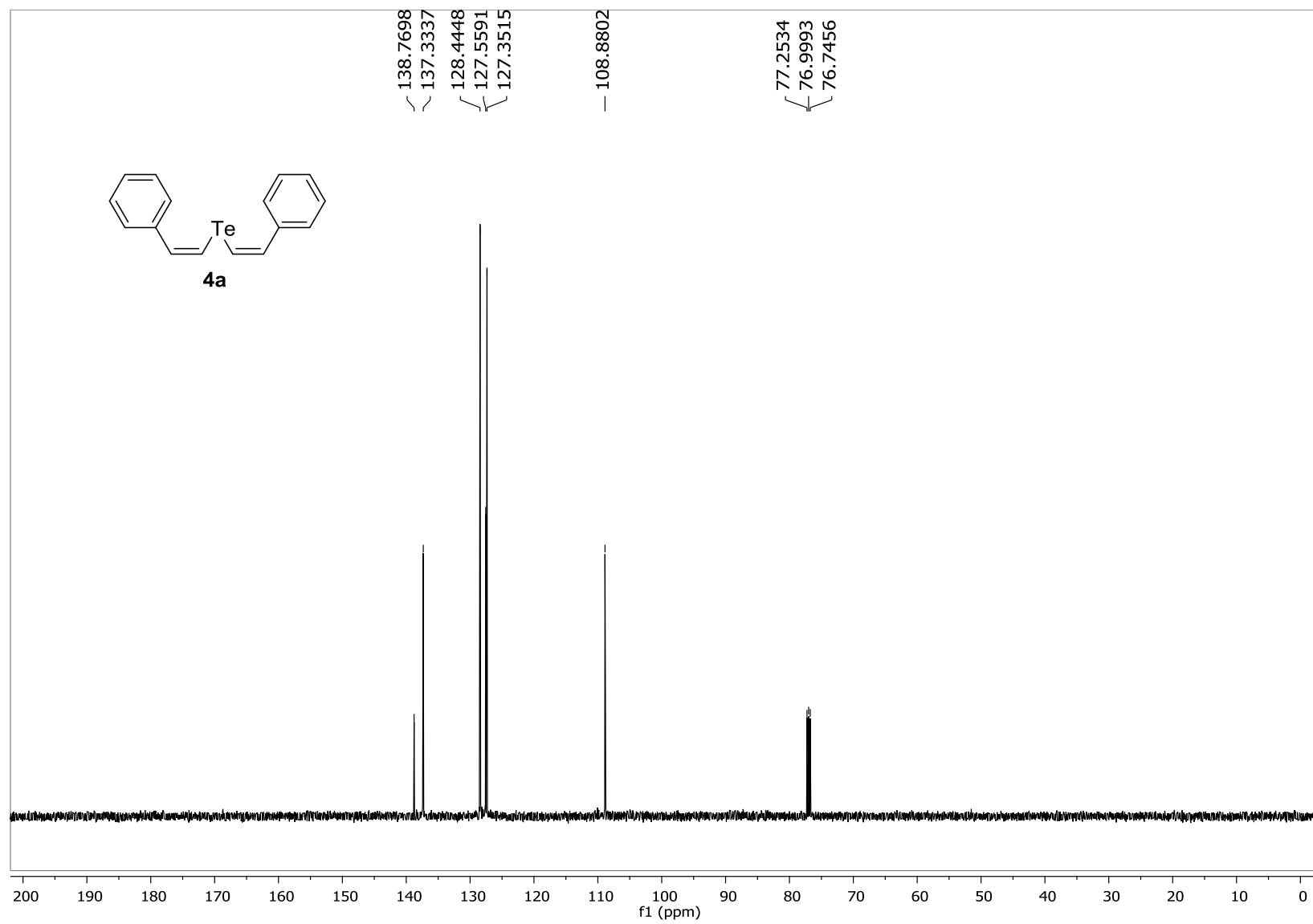


Figure S14. ^{13}C NMR (100 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-styryl telluride **4a**.

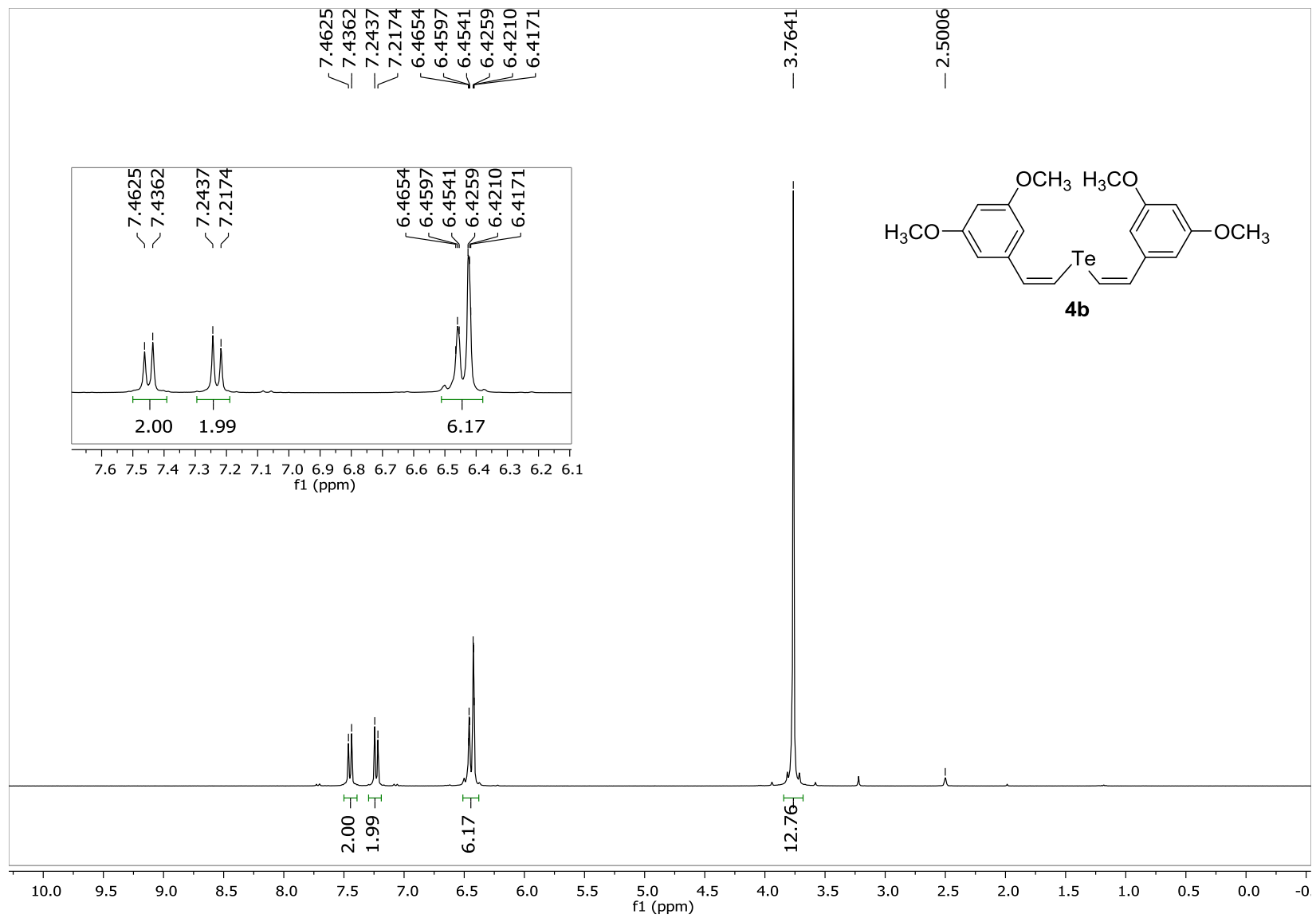


Figure S15. ^1H NMR (400 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-3,5-dimethoxystyryl telluride **4b**.

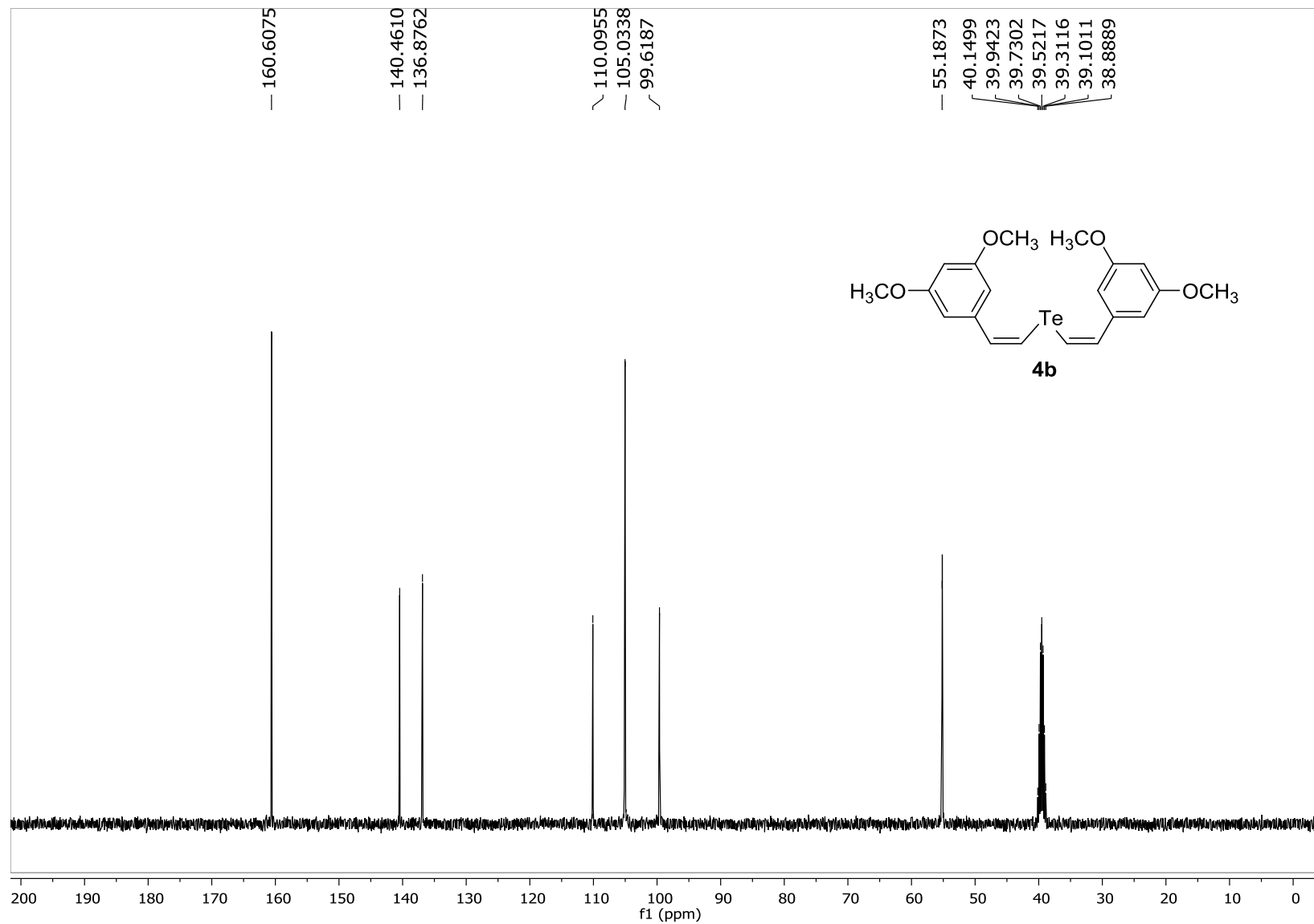


Figure S16. ^{13}C NMR (100 MHz, CDCl_3) spectrum of bis-(*Z,Z*)-3,5-dimethoxystyryl telluride **4b**.

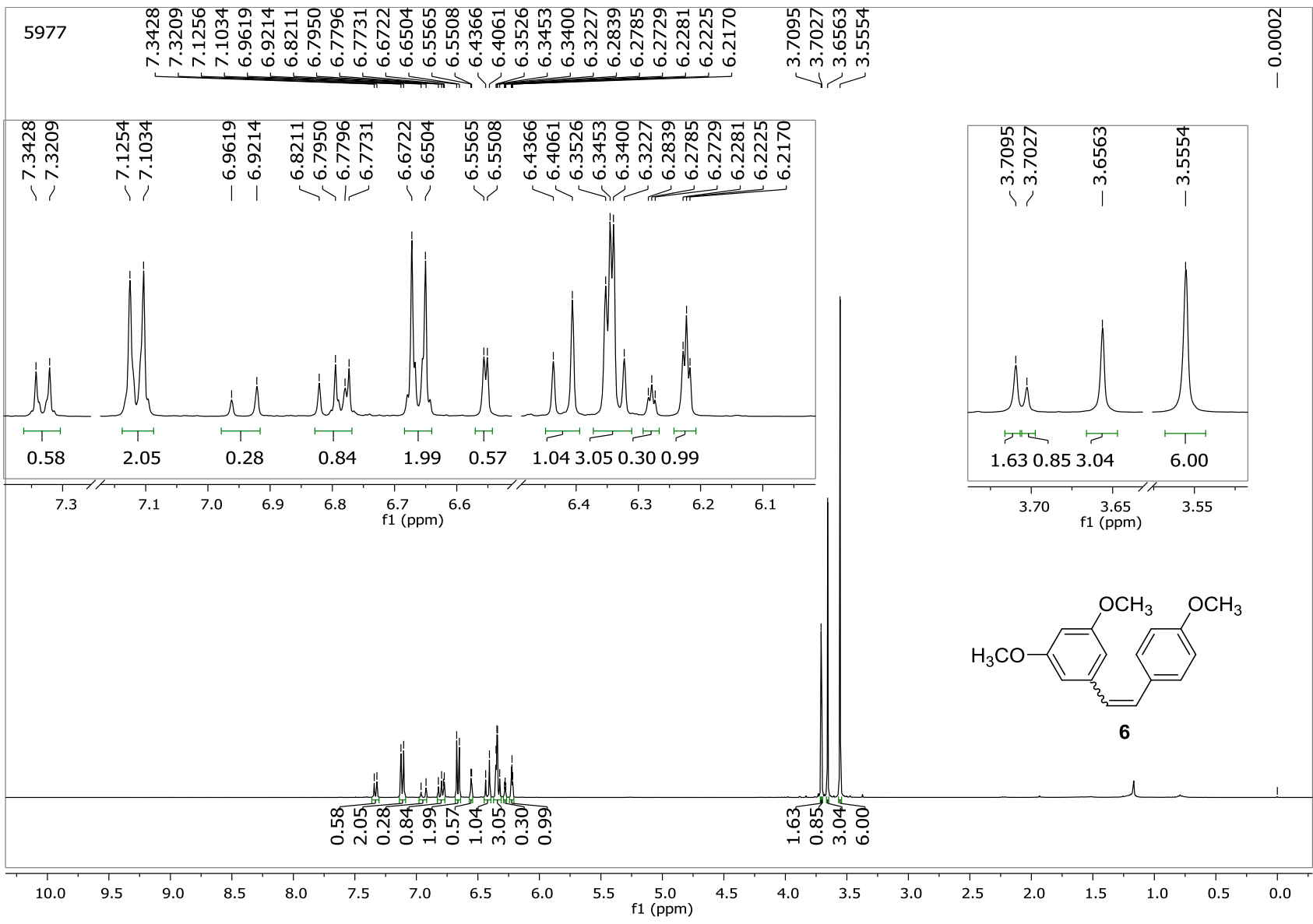


Figure S17. ^1H NMR (400 MHz, CDCl_3) spectrum of 3,4',5-trimethoxystilbene **6**.

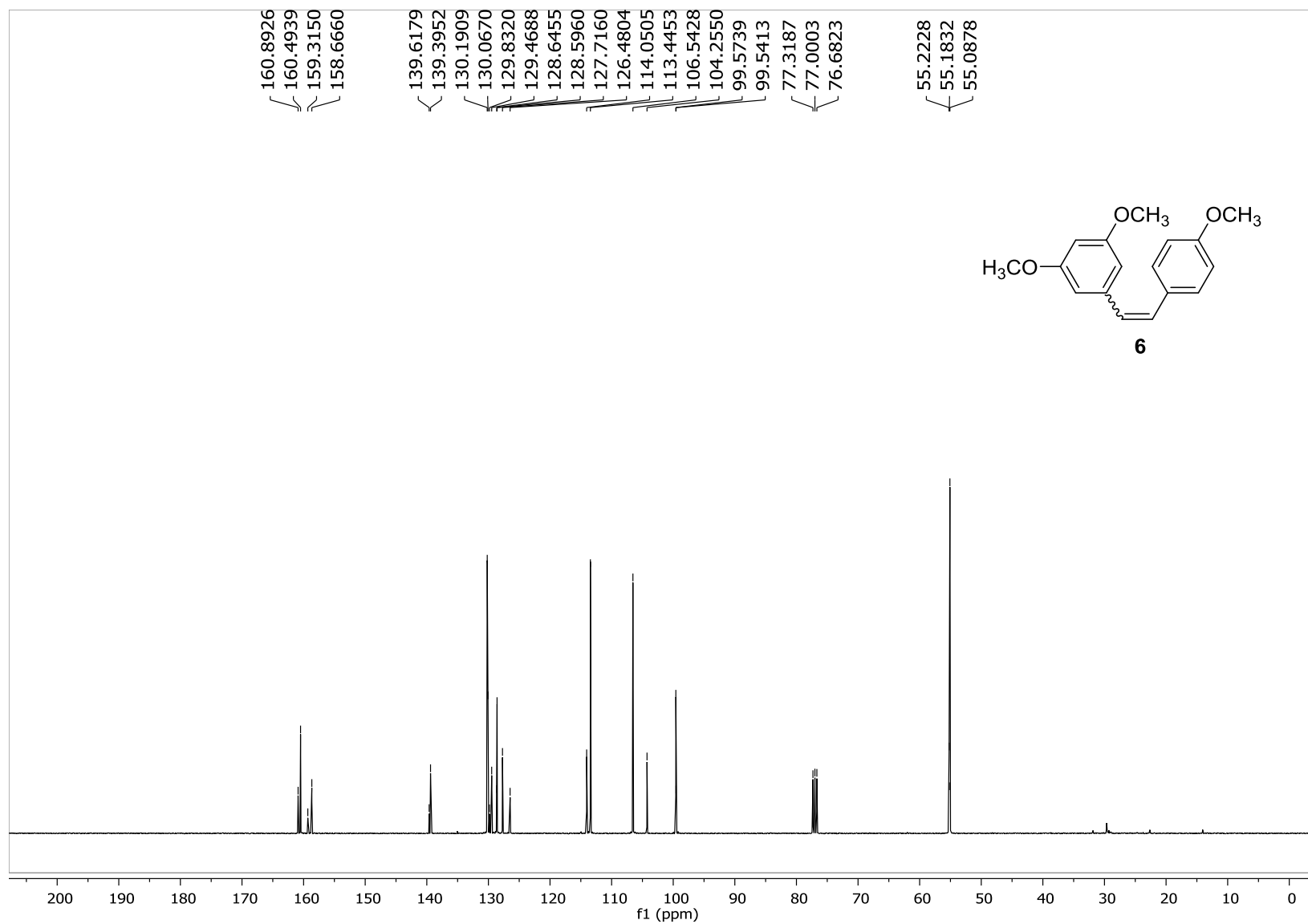


Figure S18. ^{13}C NMR (100 MHz, CDCl_3) spectrum of 3,4',5-trimethoxystilbene **6**.