

Platinum(IV) combo prodrugs containing cyclohexane-1*R*,2*R*-diamine, valproic acid, and perillic acid as a multiaction chemotherapeutic platform for colon cancer

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SUPPLEMENTARY MATERIAL

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Numbering scheme for the assignment of NMR signals

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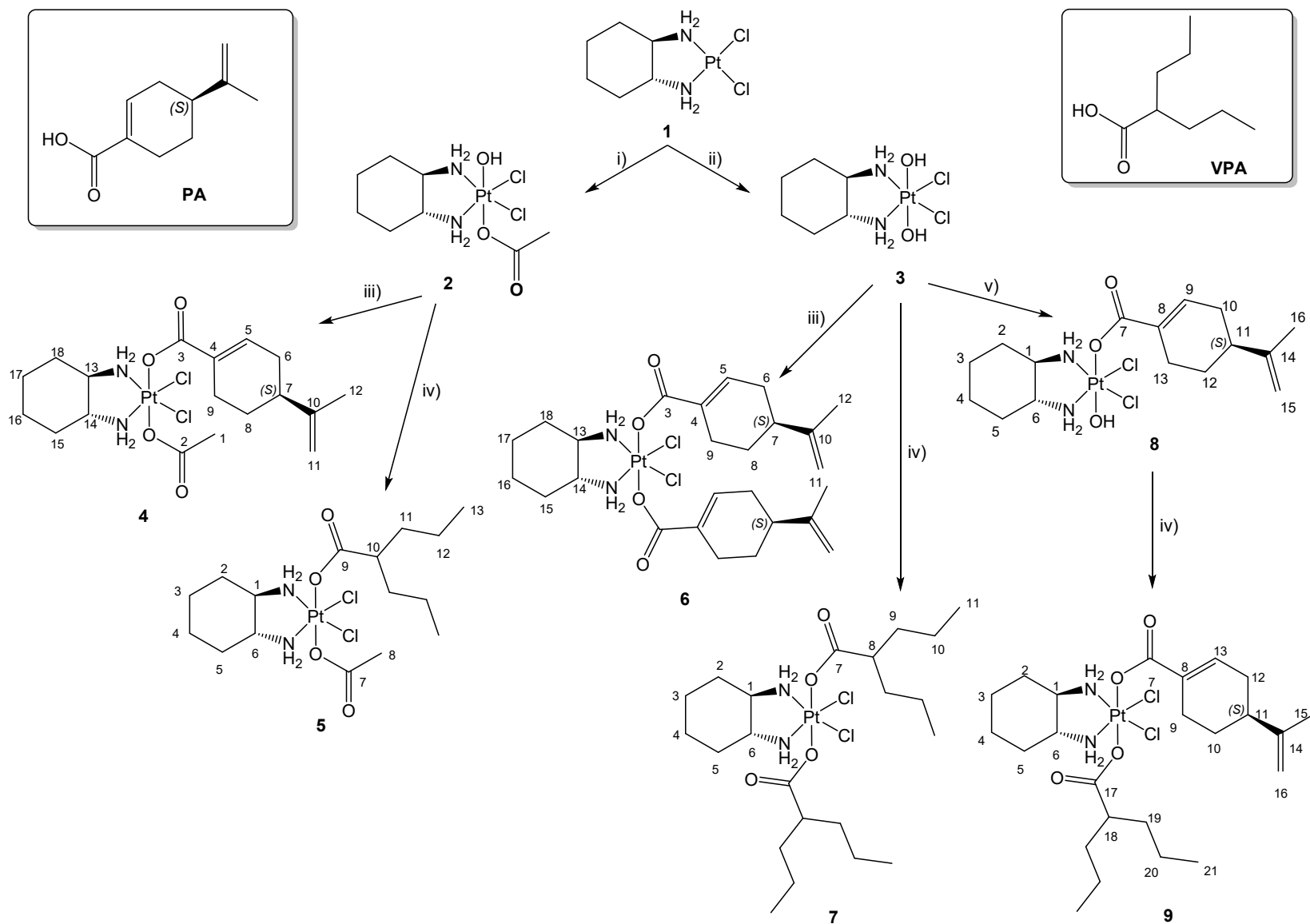
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Scheme S1. Sketch of the complexes under investigation and the corresponding synthetic pathways: *i)* $\text{H}_2\text{O}_2/\text{H}_2\text{O}$; *ii)* $\text{H}_2\text{O}_2/\text{CH}_3\text{COOH}$; *iii)* acyl chloride of **PA**, microwave heating, CH_3CN , pyridine, *iv)* acyl chloride of **VPA**, microwave, CH_3CN , pyridine; *v)* perillic anhydride, DMSO. Numbering scheme for the assignment of NMR signals is also reported.

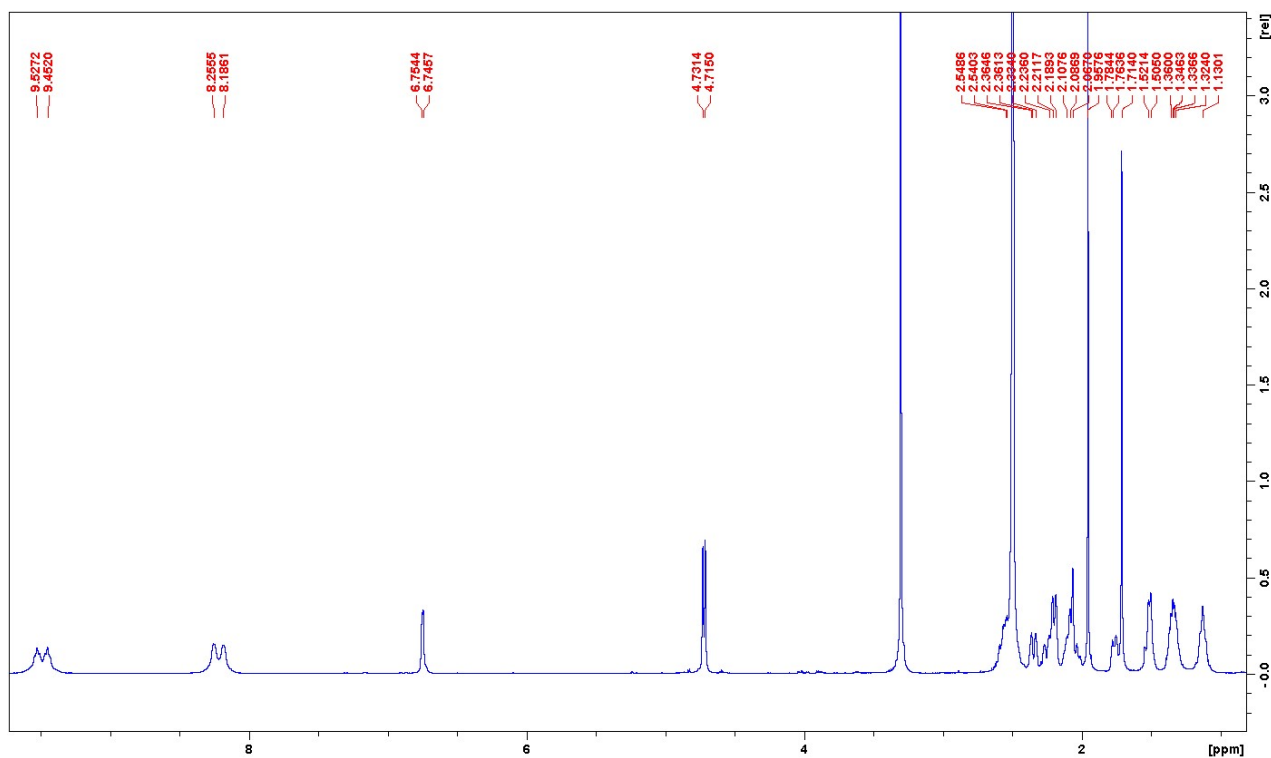


Figure S1. ^1H NMR spectrum of **4** in DMSO-d_6 .

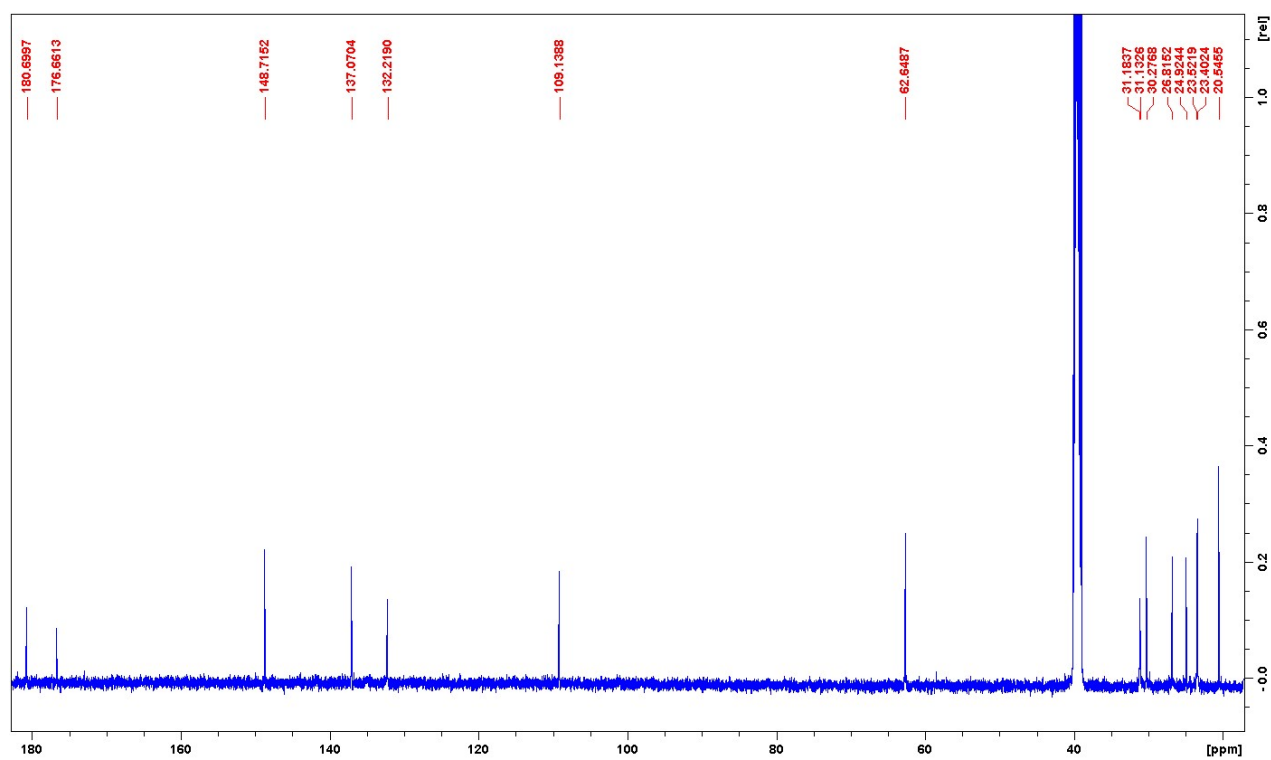


Figure S2. ^{13}C NMR spectrum of **4** in DMSO-d_6 .

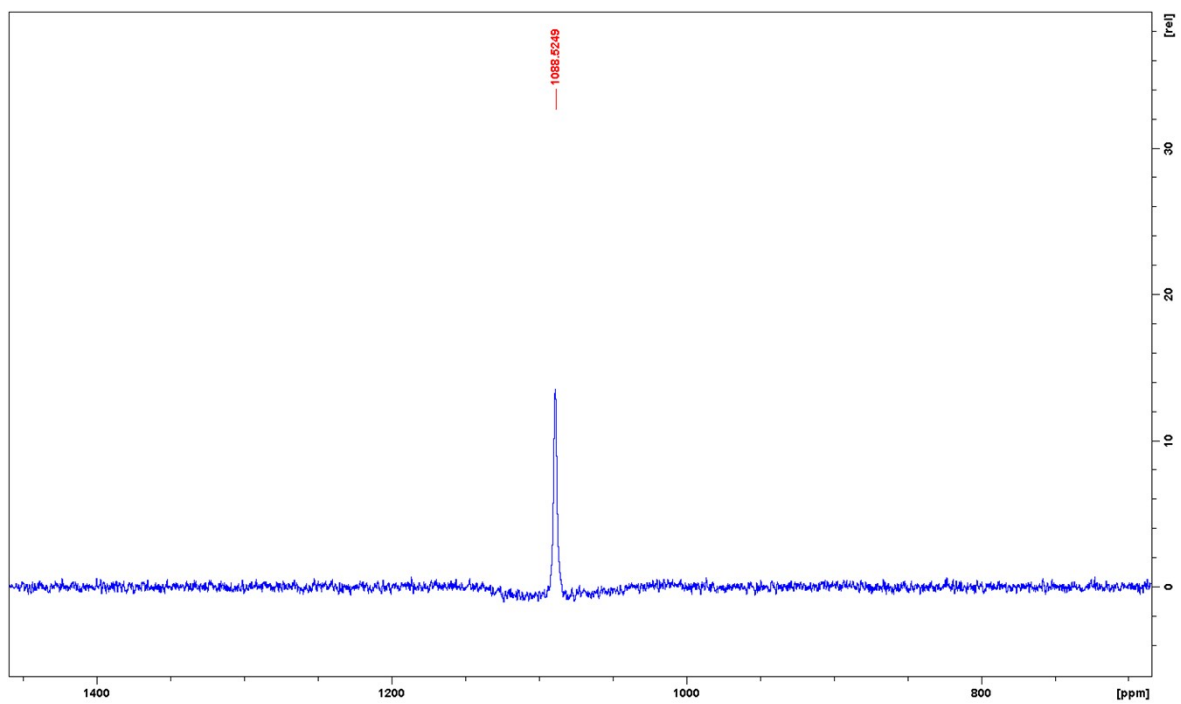


Figure S3. ^{195}Pt NMR spectrum of **4** in DMSO-d_6 .

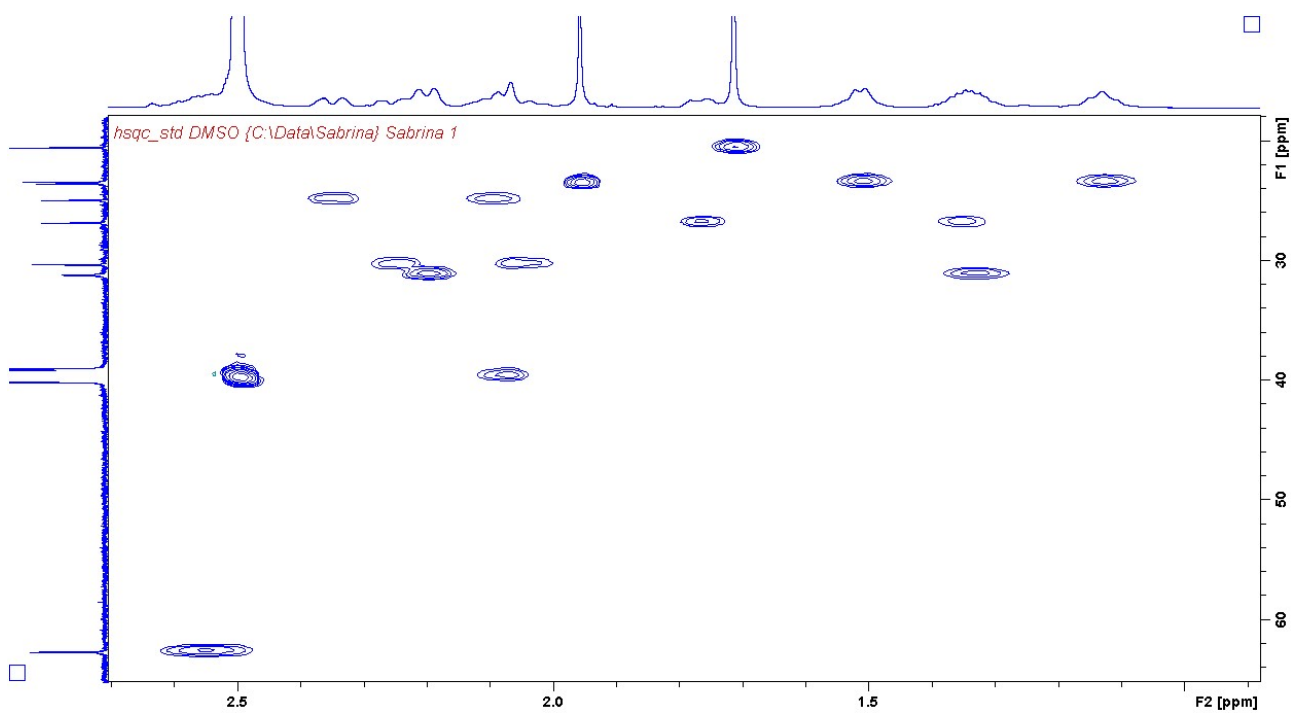


Figure S4. ^1H - ^{13}C HSQC NMR spectrum of **4** in DMSO-d_6 .

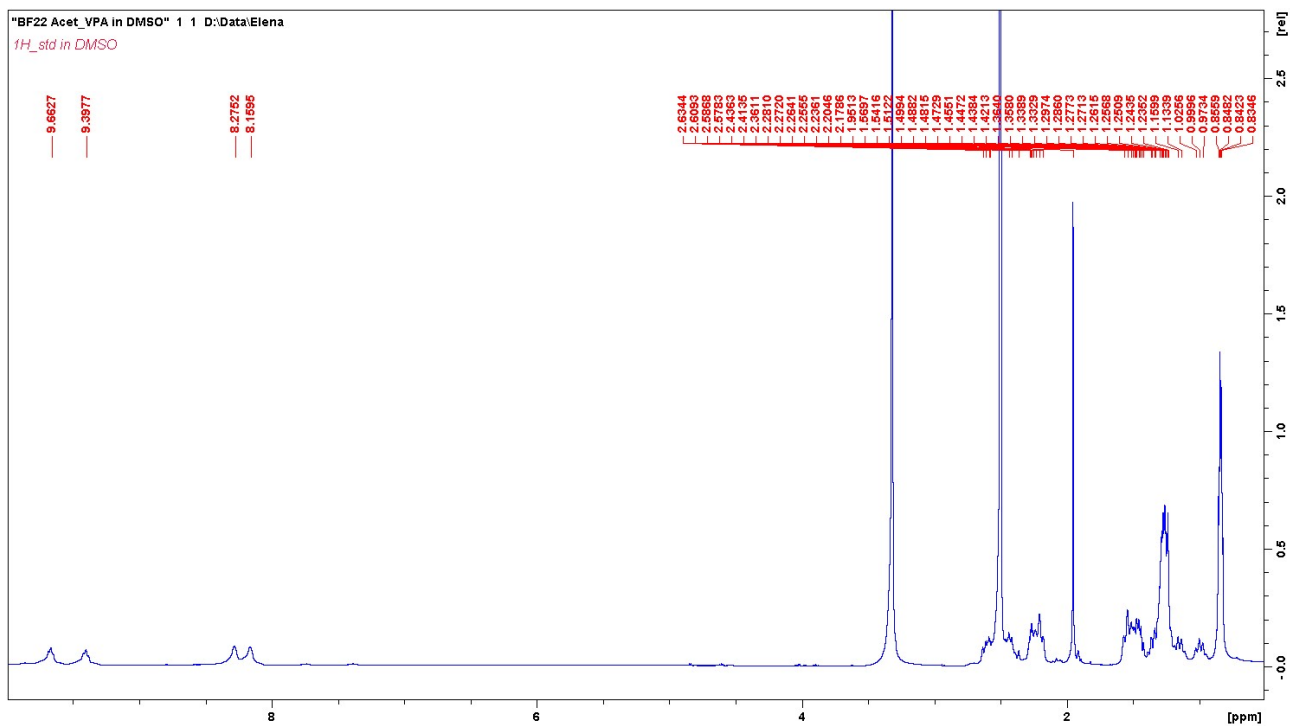


Figure S5. ^1H NMR spectrum of **5** in DMSO-d_6 .

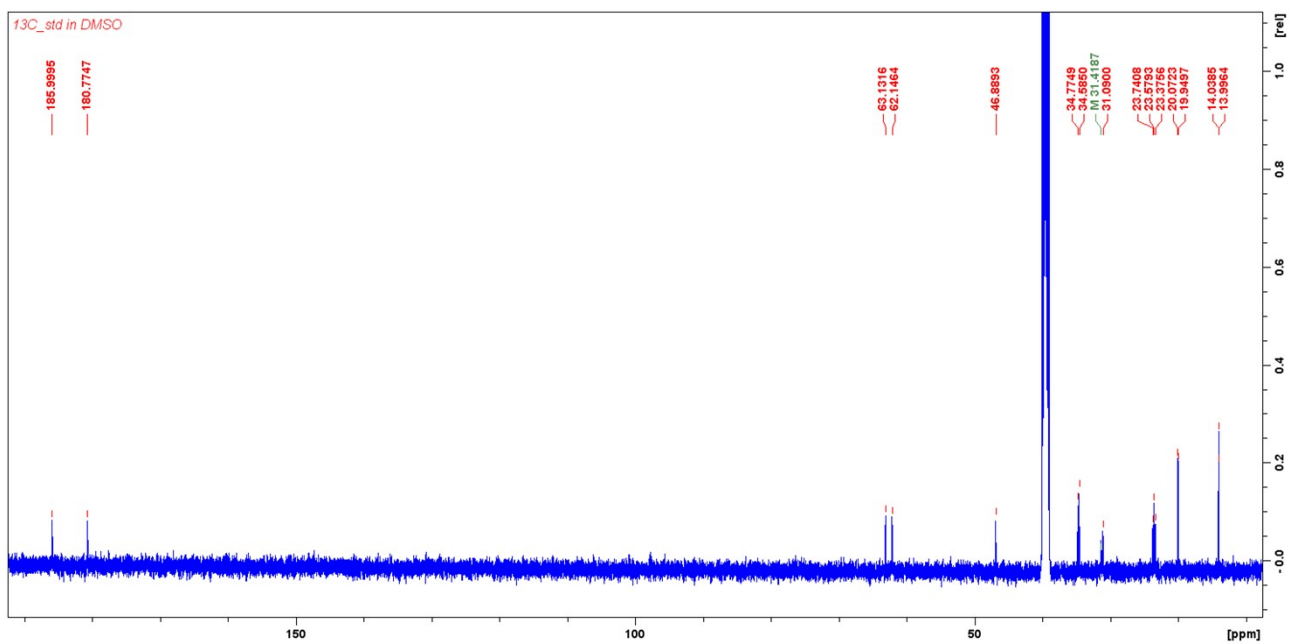


Figure S6. ^{13}C NMR spectrum of **5** in DMSO-d_6 .

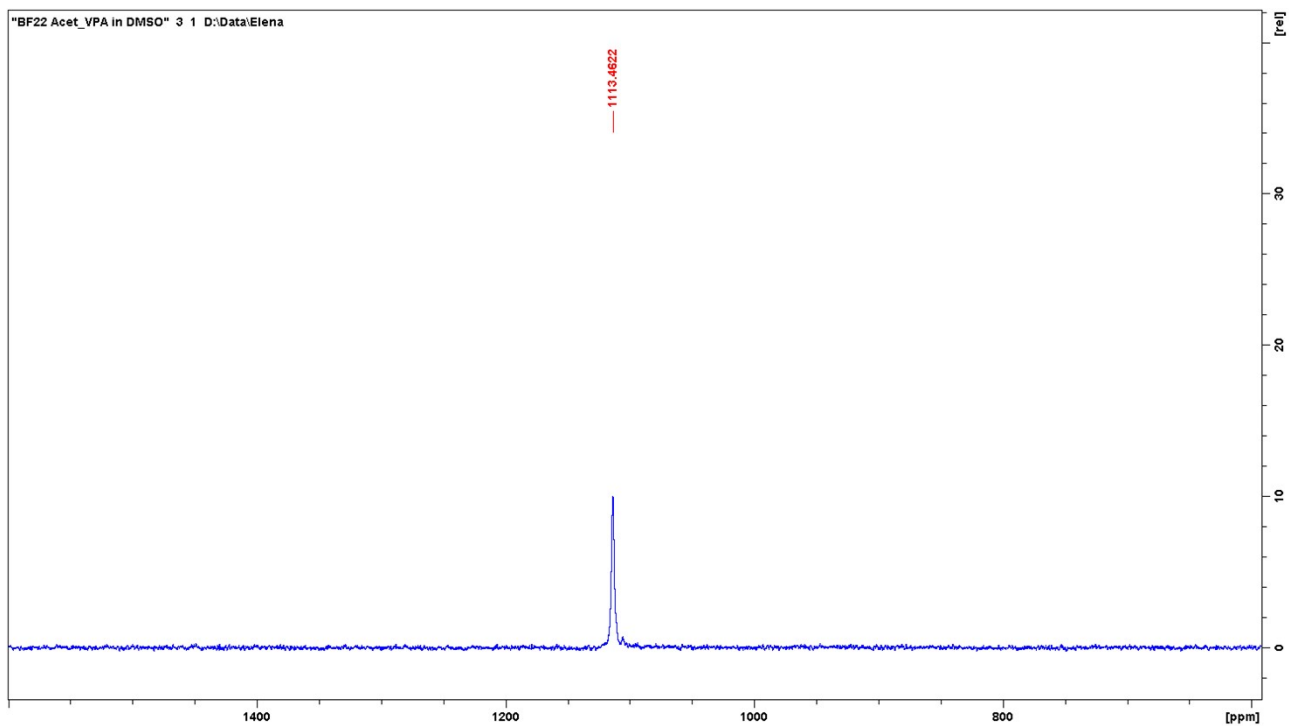


Figure S7. ^{195}Pt NMR spectrum of **5** in DMSO-d_6 .

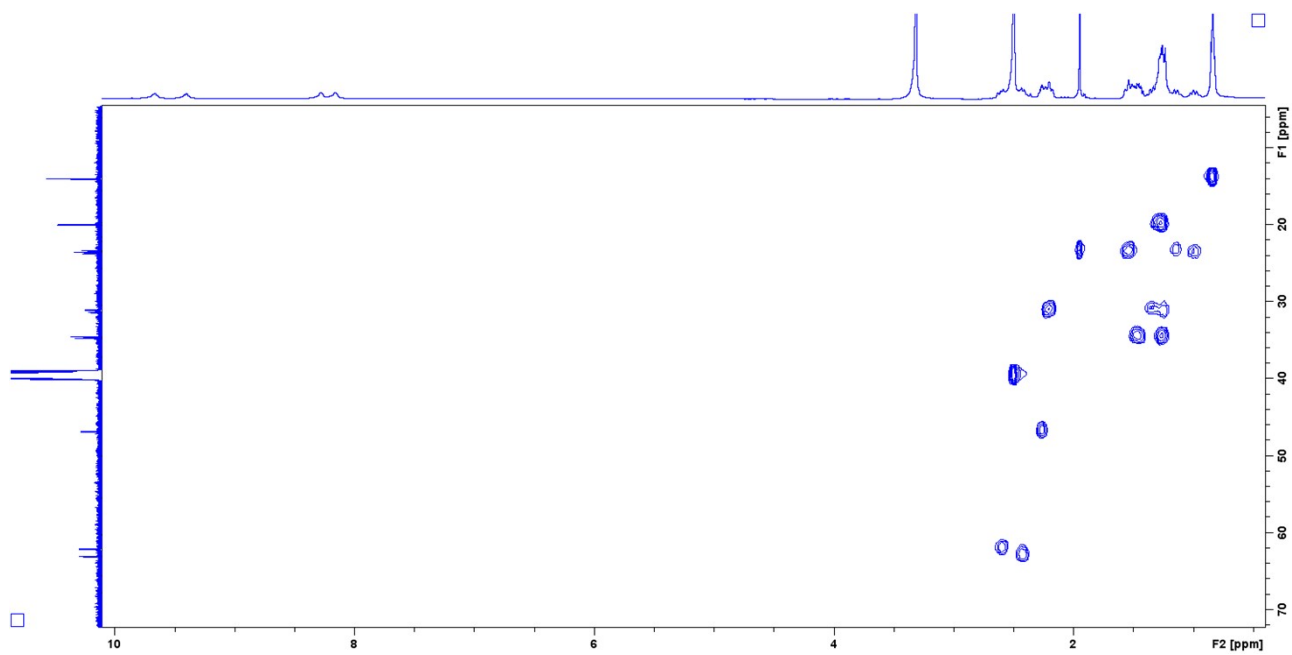


Figure S8. ^1H - ^{13}C HSQC NMR spectrum of **5** in DMSO-d_6 .

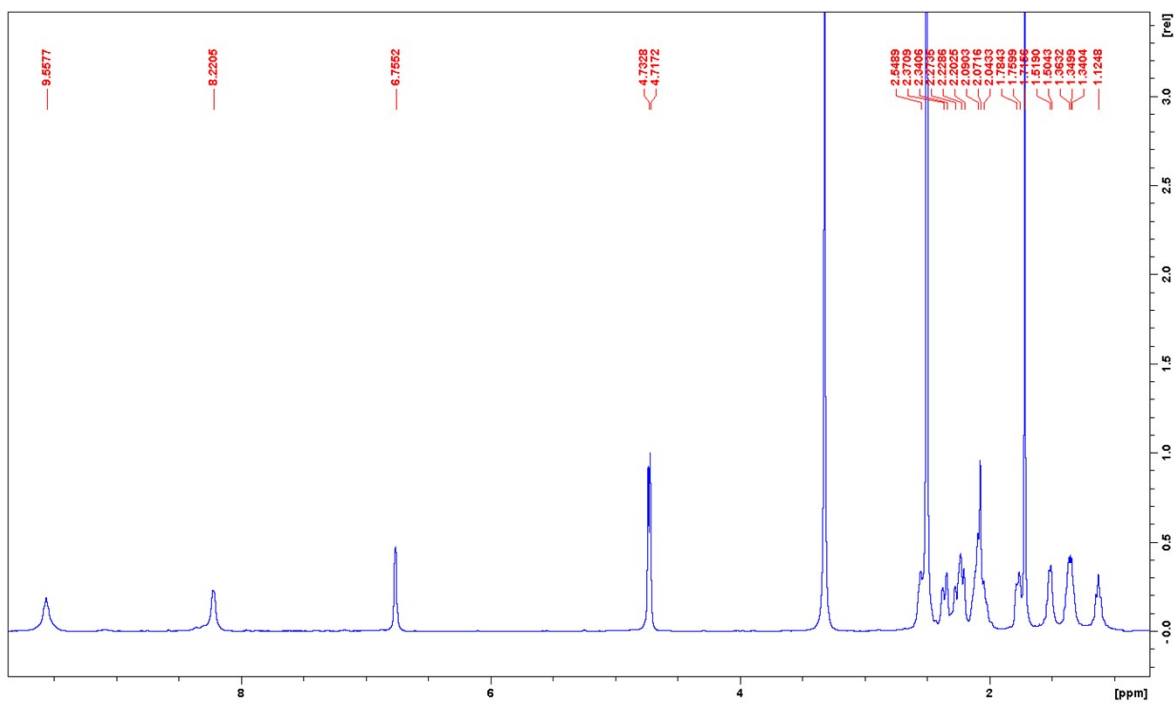


Figure S9. ^1H NMR spectrum of **6** in DMSO-d_6 .

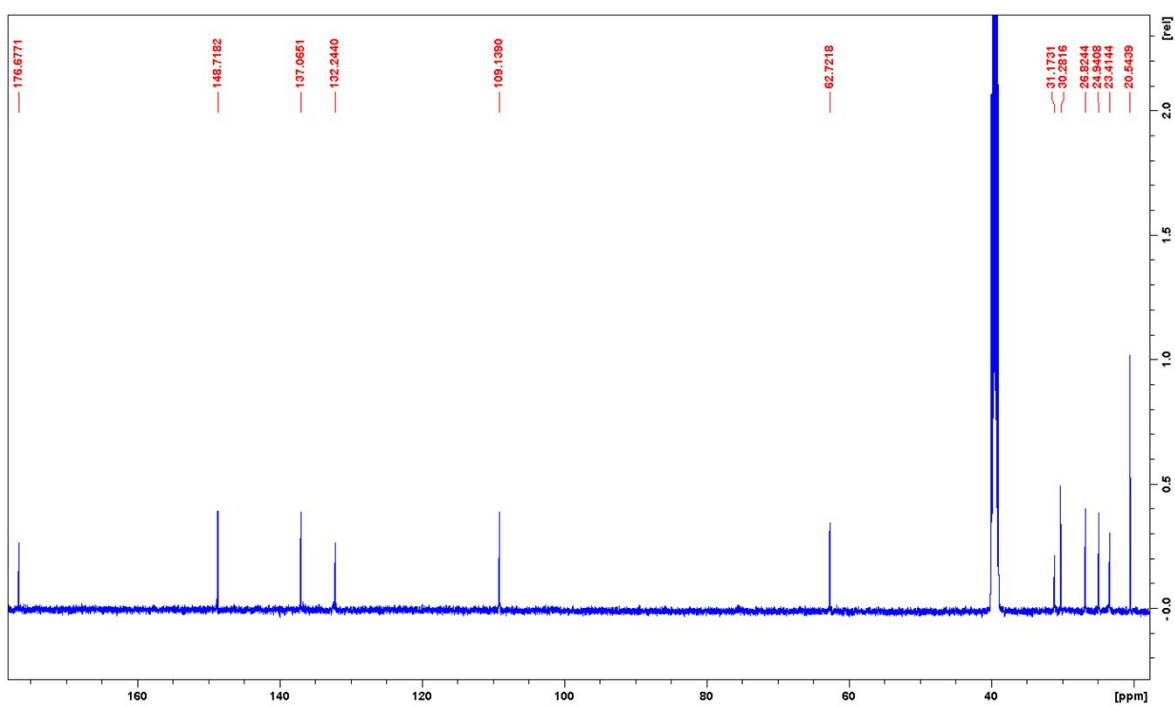


Figure S10. ^{13}C NMR spectrum of **6** in DMSO-d_6 .

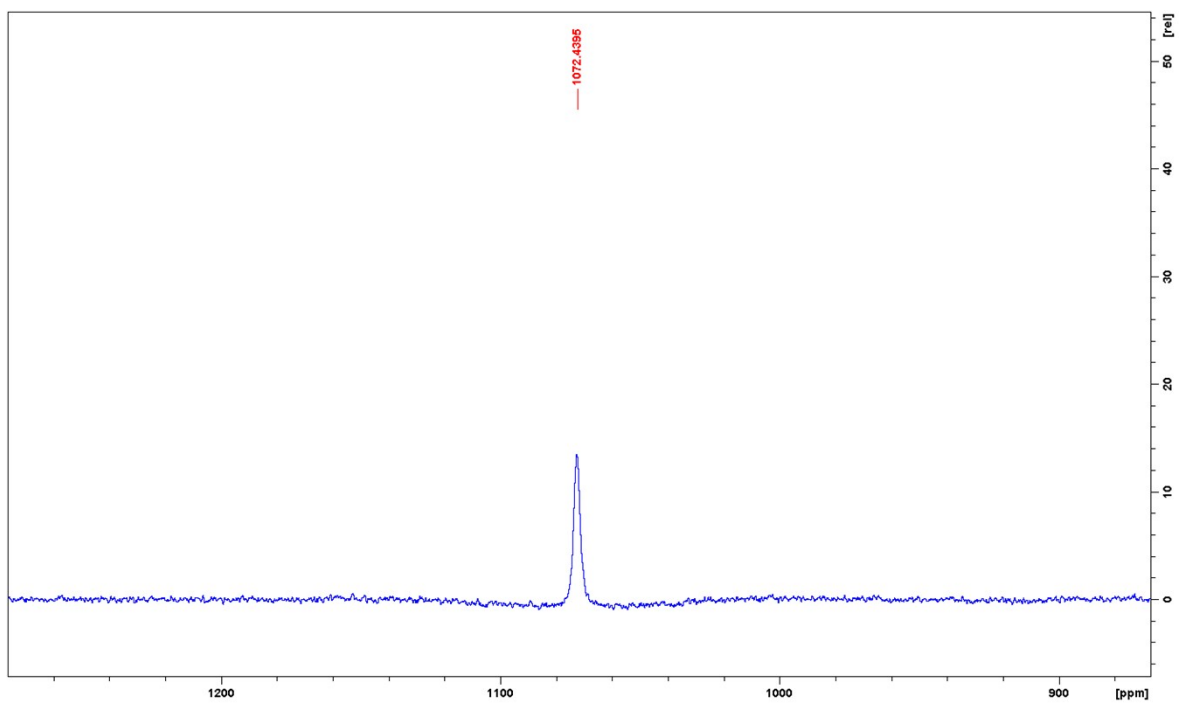


Figure S11. ^{195}Pt NMR spectrum of **6** in DMSO-d_6 .

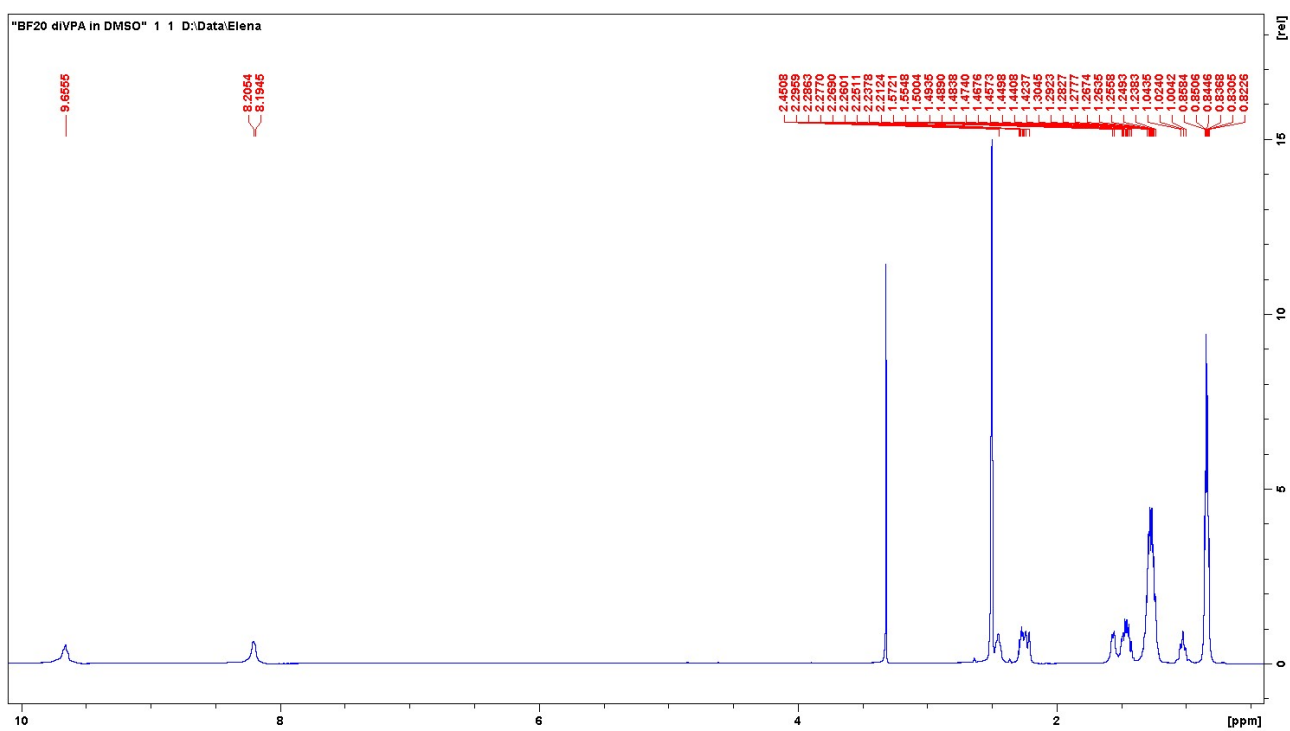


Figure S12. ^1H NMR spectrum of **7** in DMSO-d_6 .

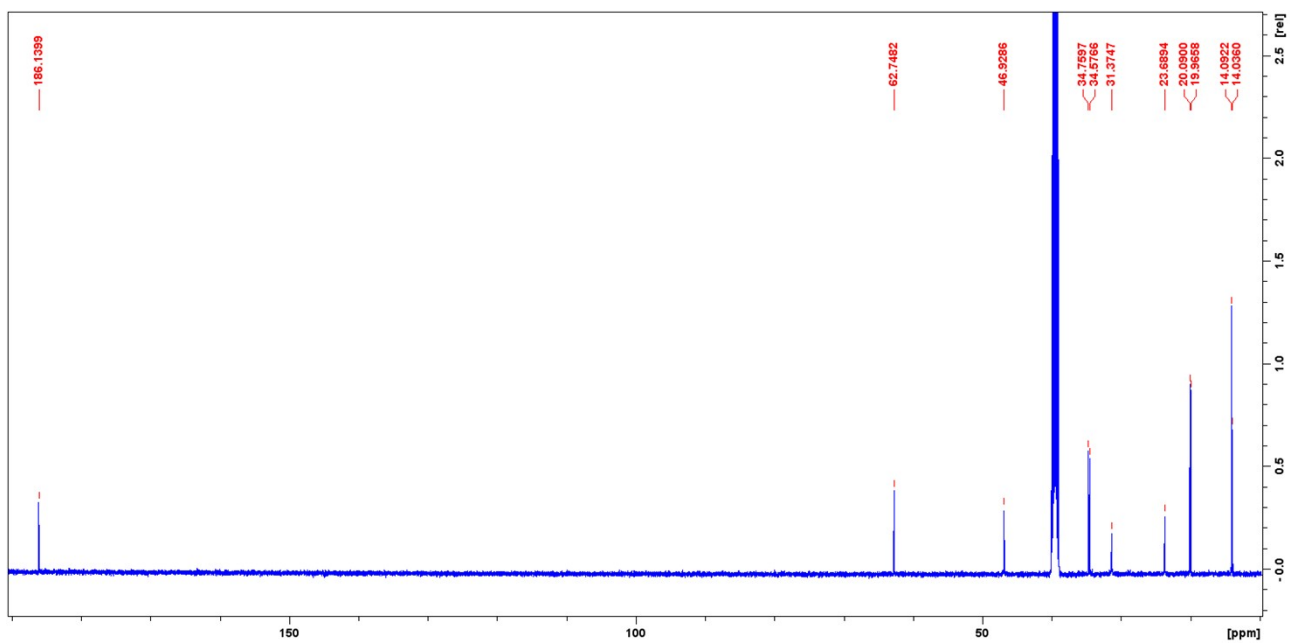


Figure S13. ^{13}C NMR spectrum of **7** in DMSO-d_6 .

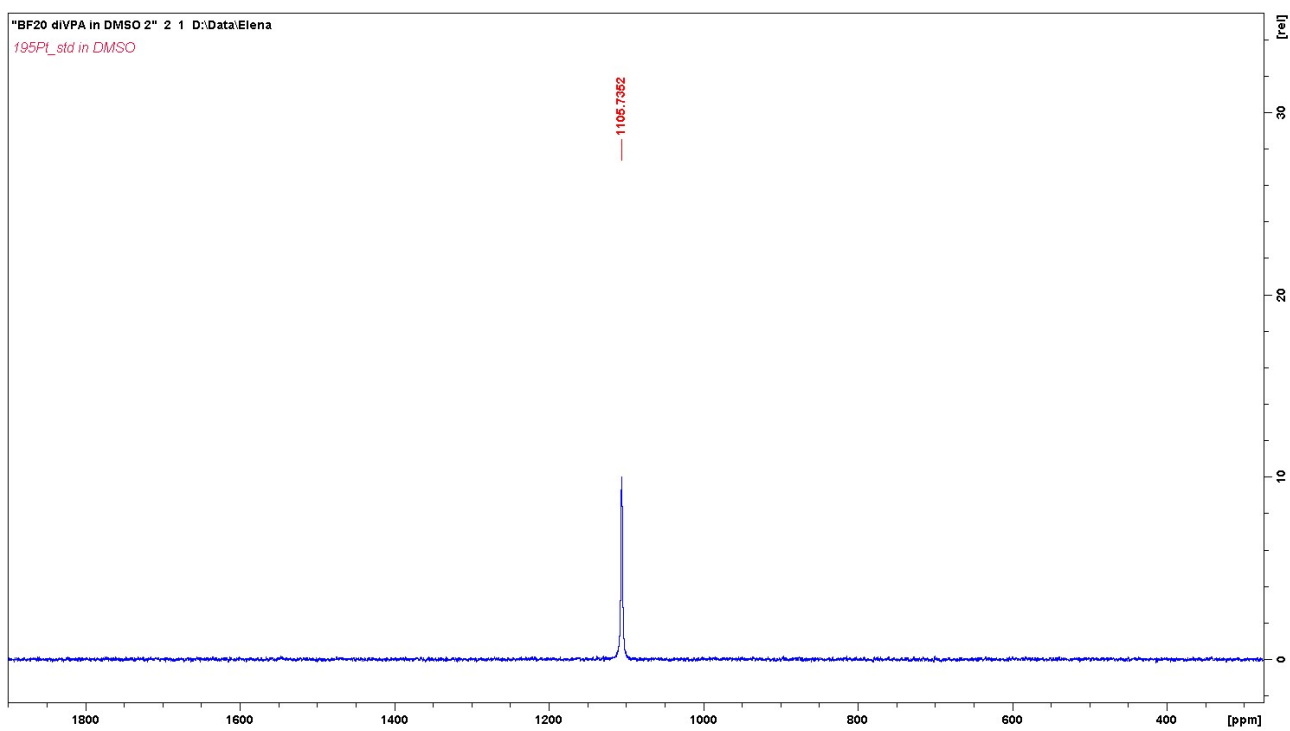


Figure S14. ^{195}Pt NMR spectrum of **7** in DMSO-d_6 .

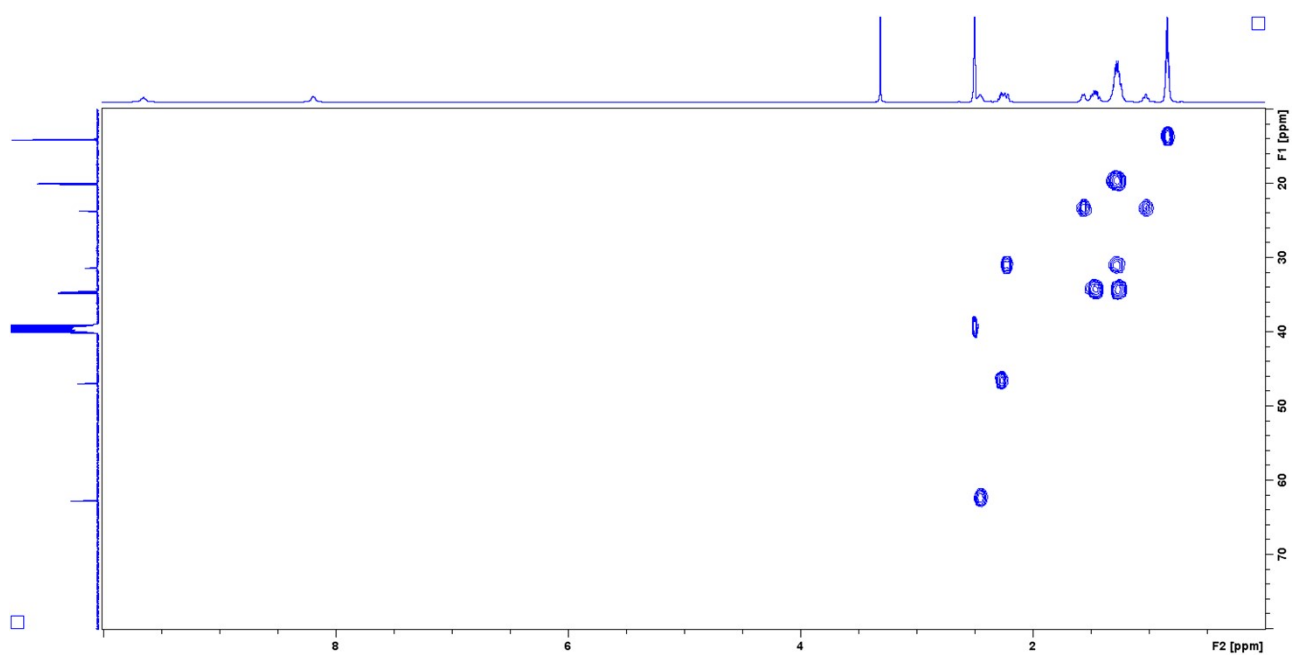


Figure S15. ^1H - ^{13}C HSQC NMR spectrum of **7** in DMSO-d_6 .

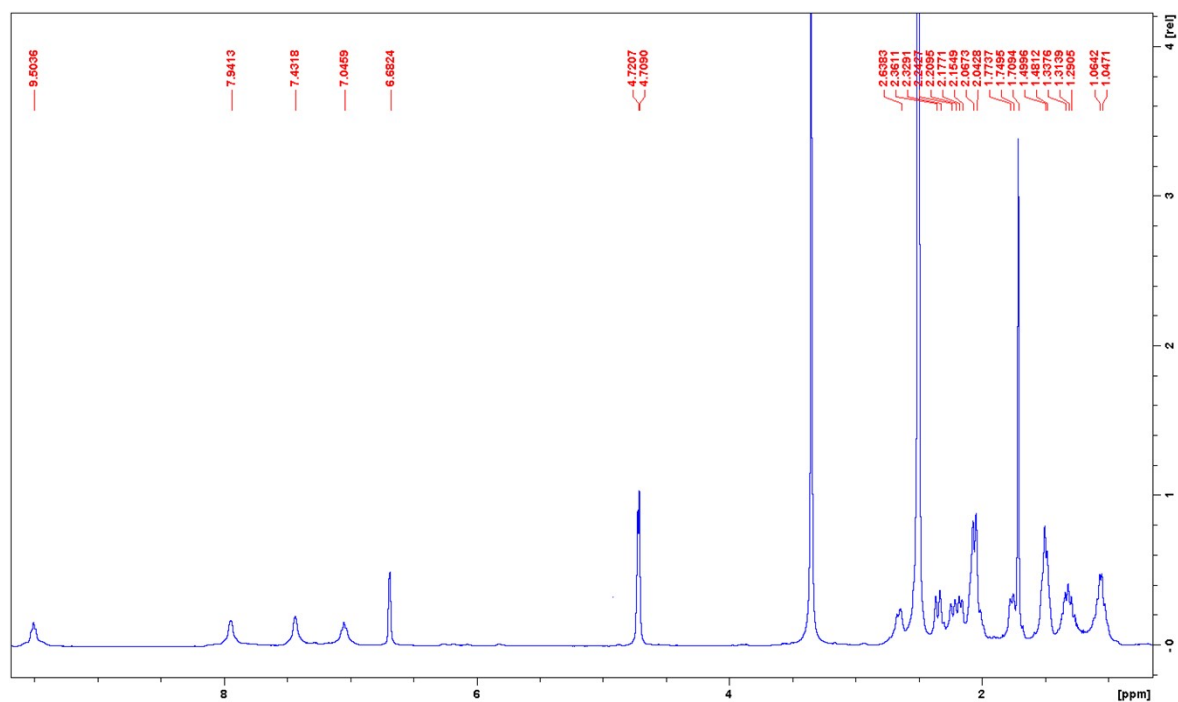


Figure S16. ^1H NMR spectrum of **8** in DMSO-d_6 .

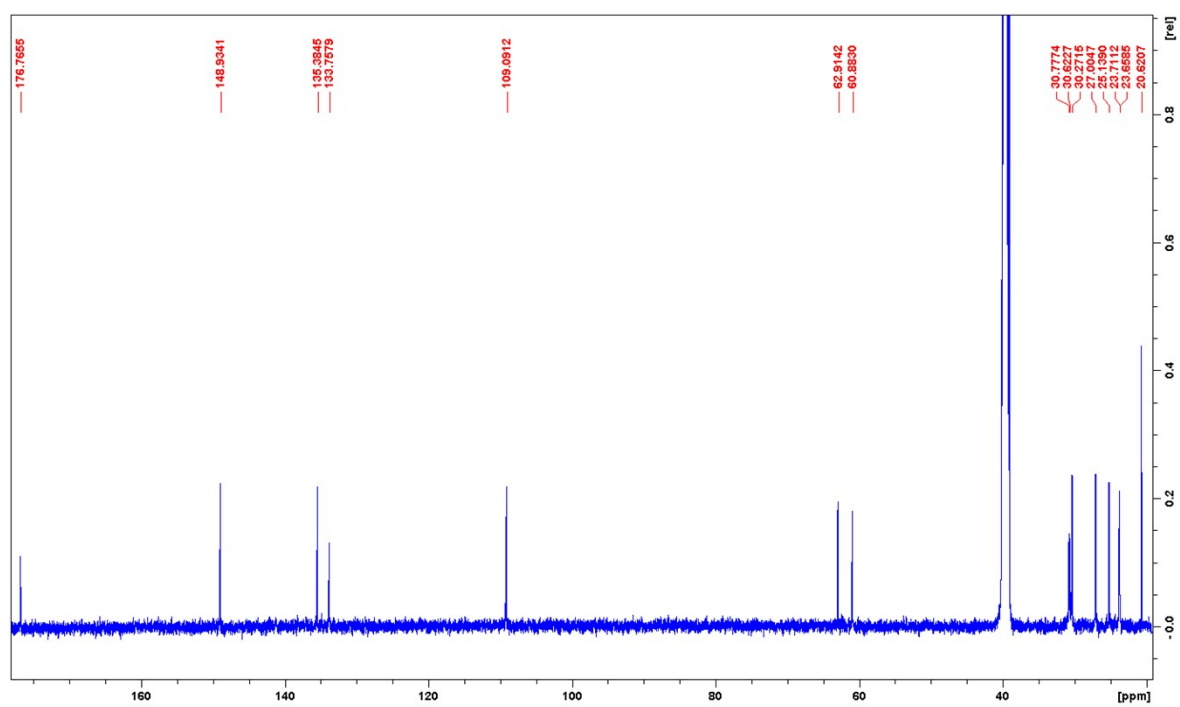


Figure S17. ^{13}C NMR spectrum of **8** in DMSO-d_6 .

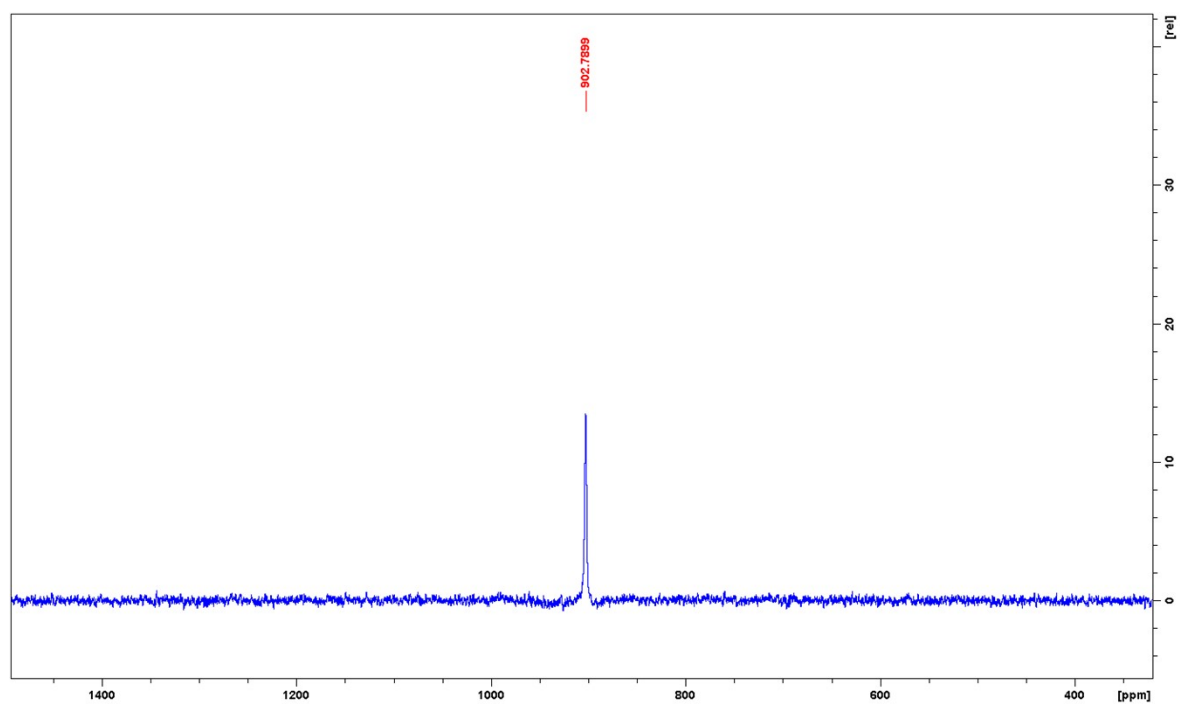


Figure S18. ^{195}Pt NMR spectrum of **8** in DMSO-d_6 .

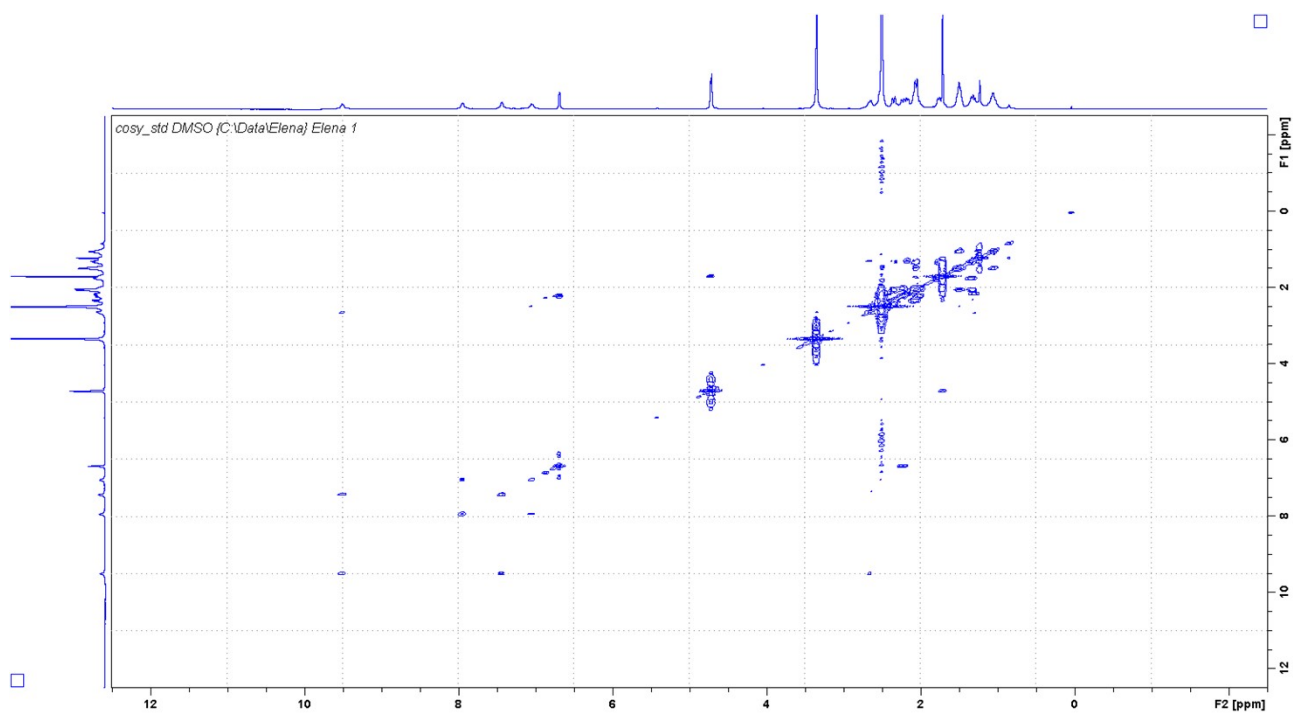


Figure S19. ^1H - ^1H COSY NMR spectrum of **8** in DMSO-d_6 .

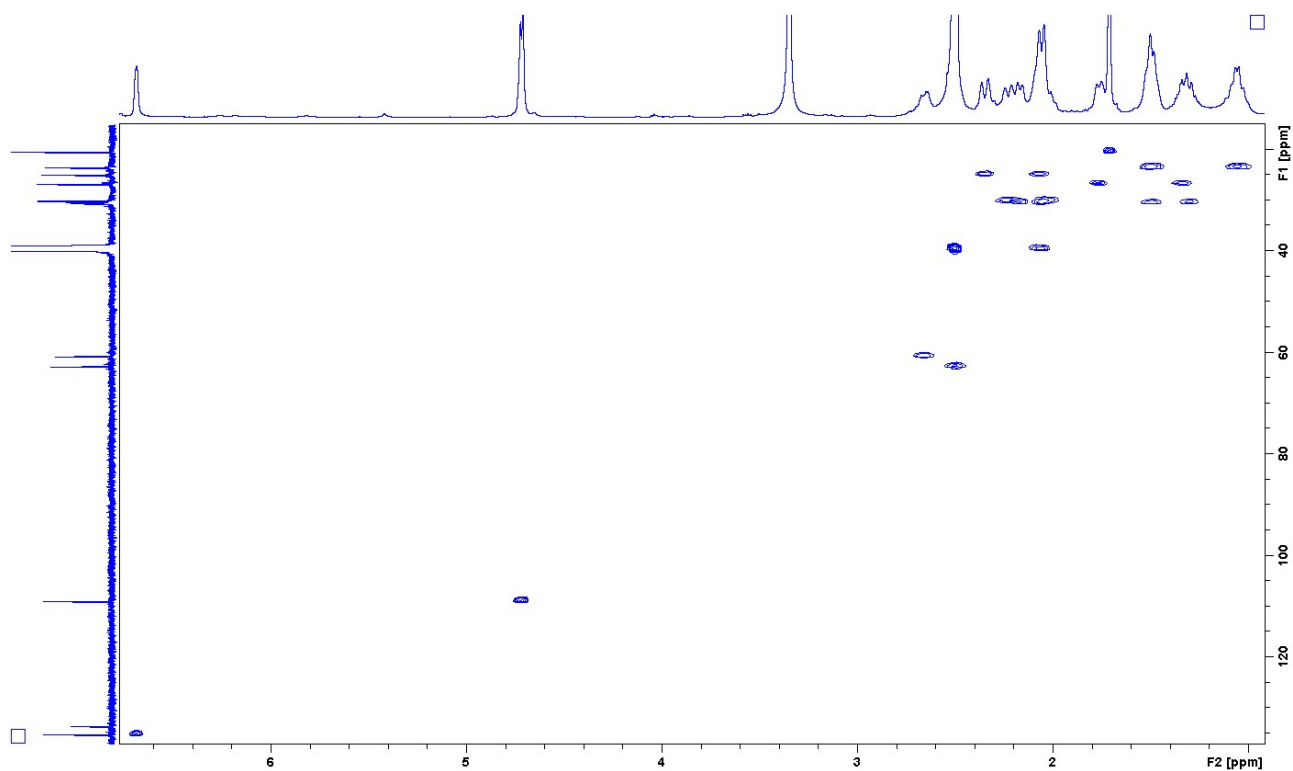


Figure S20. ^1H - ^{13}C HSQC NMR spectrum of **8** in DMSO-d_6 .

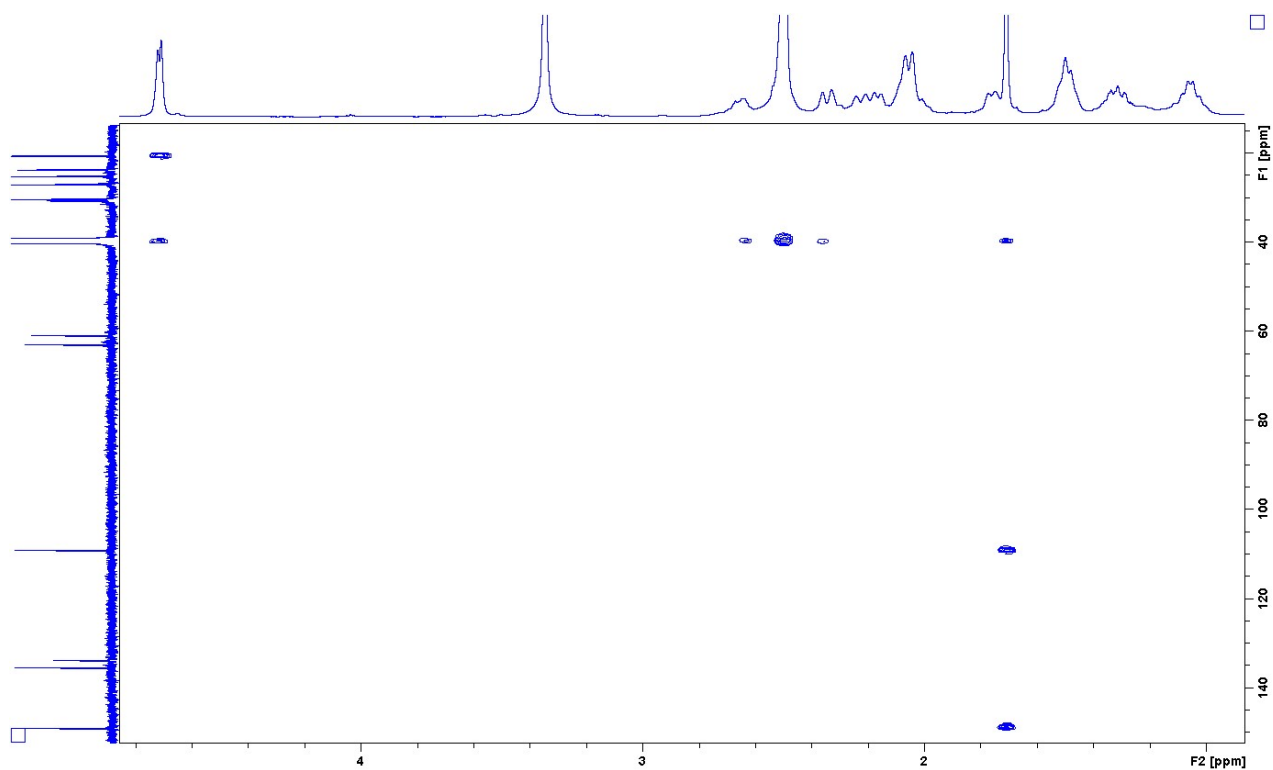


Figure S21. ^1H - ^{13}C HMBC NMR spectrum of **8** in DMSO-d_6 .

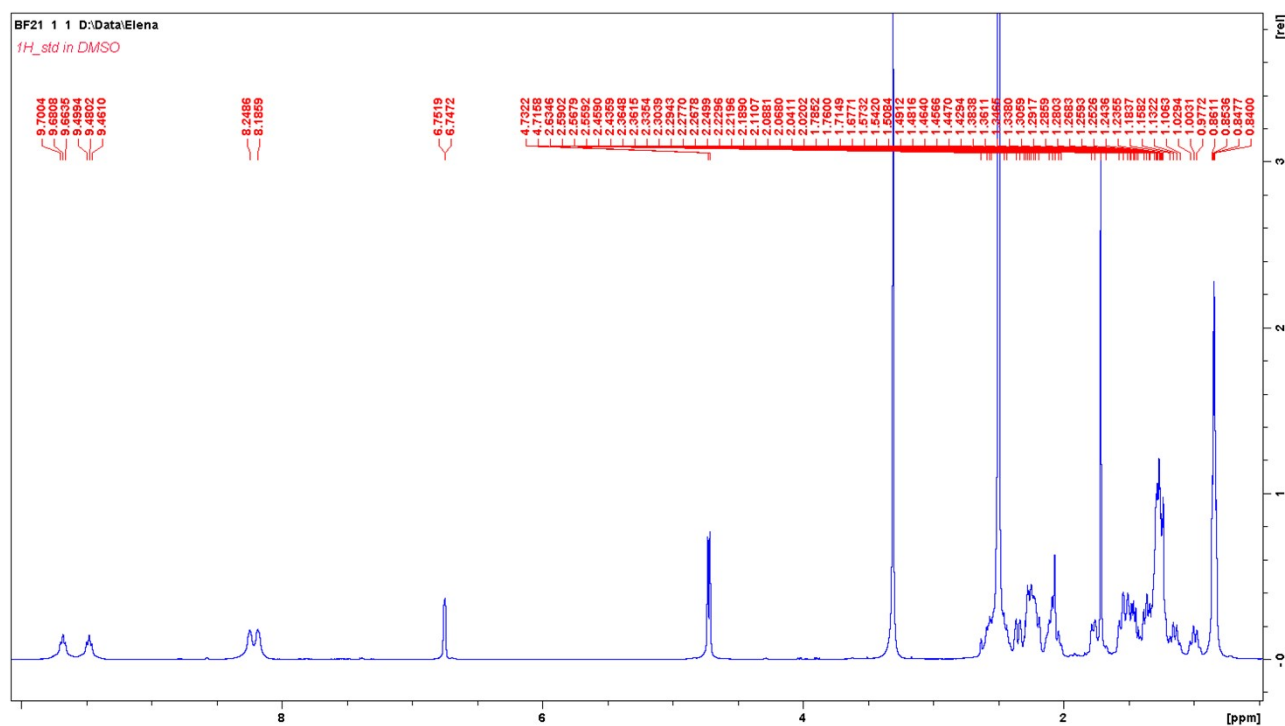


Figure S22. ^1H NMR spectrum of **9** in DMSO-d_6 .

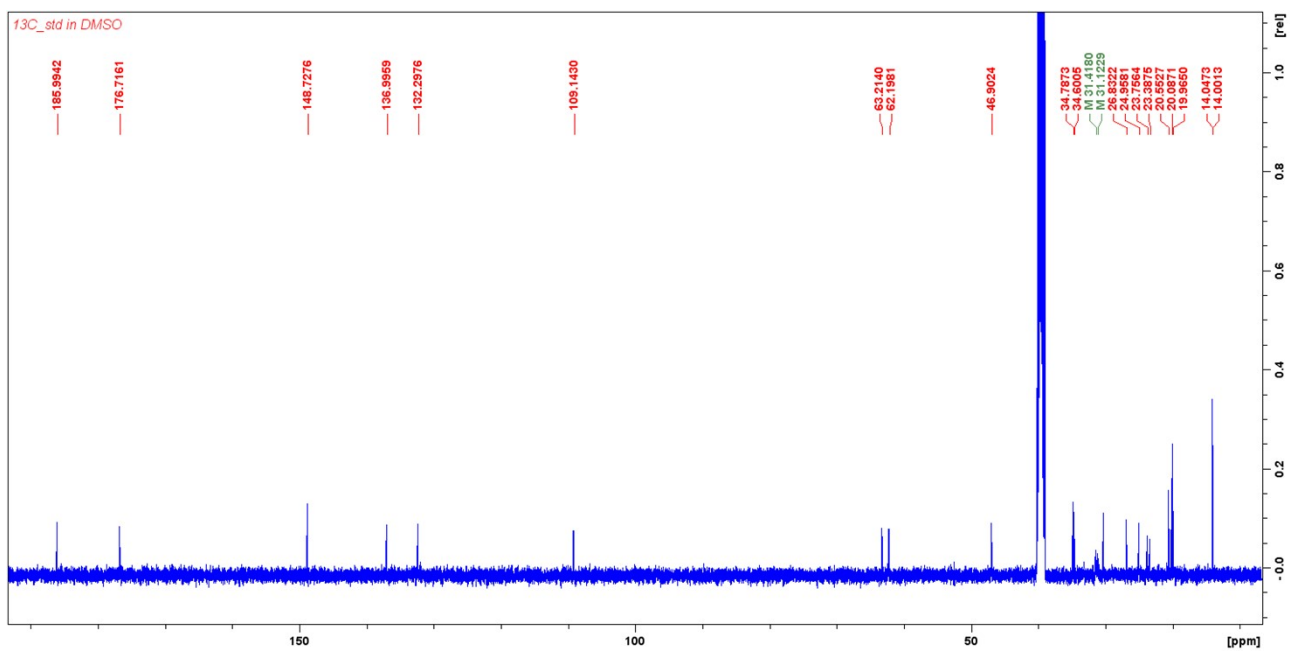


Figure S23. ^{13}C NMR spectrum of **9** in DMSO-d_6 .

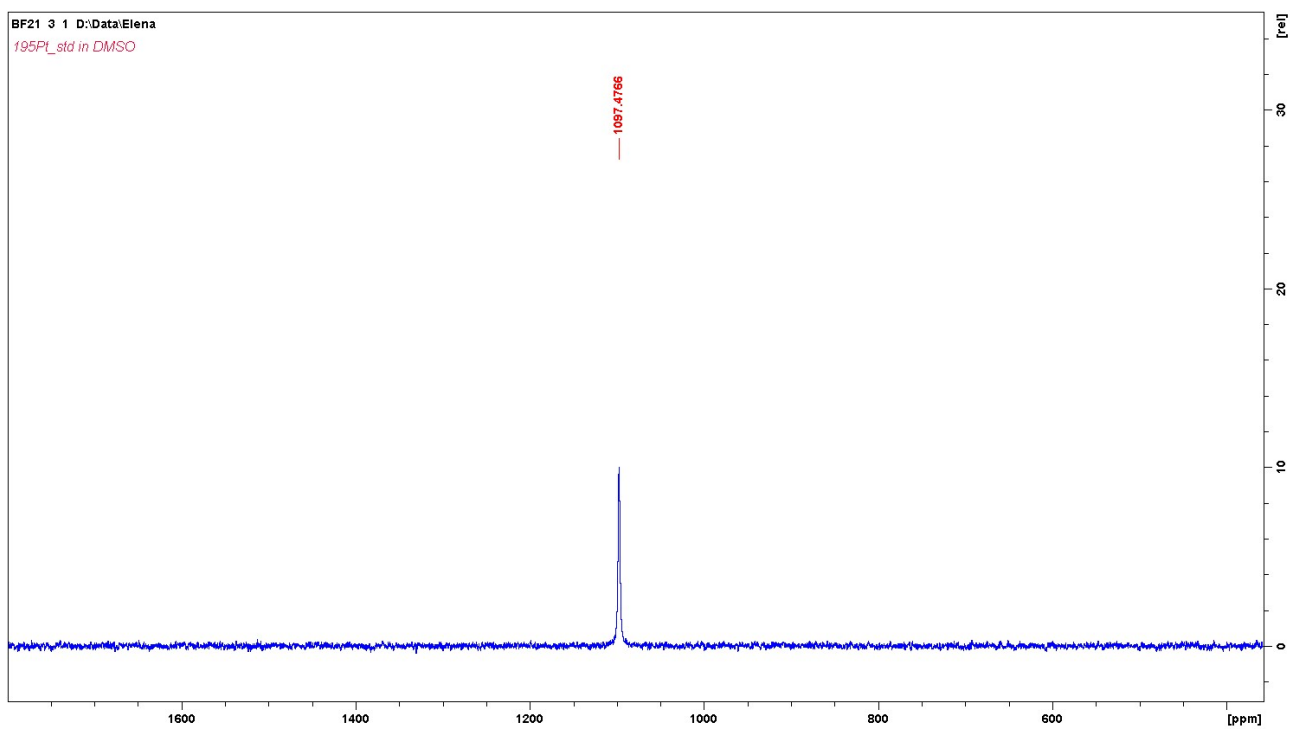


Figure S24. ^{195}Pt NMR spectrum of **9** in DMSO-d_6 .

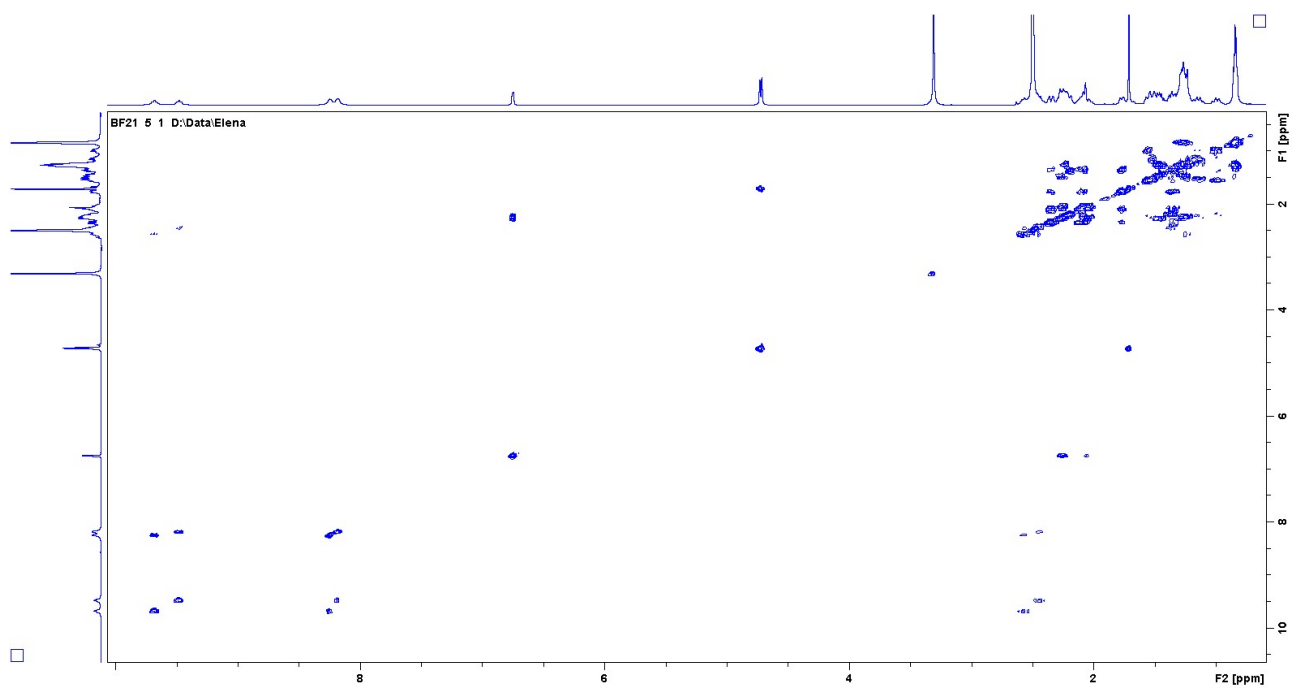


Figure S25. ^1H - ^1H COSY NMR spectrum of **9** in DMSO-d_6 .

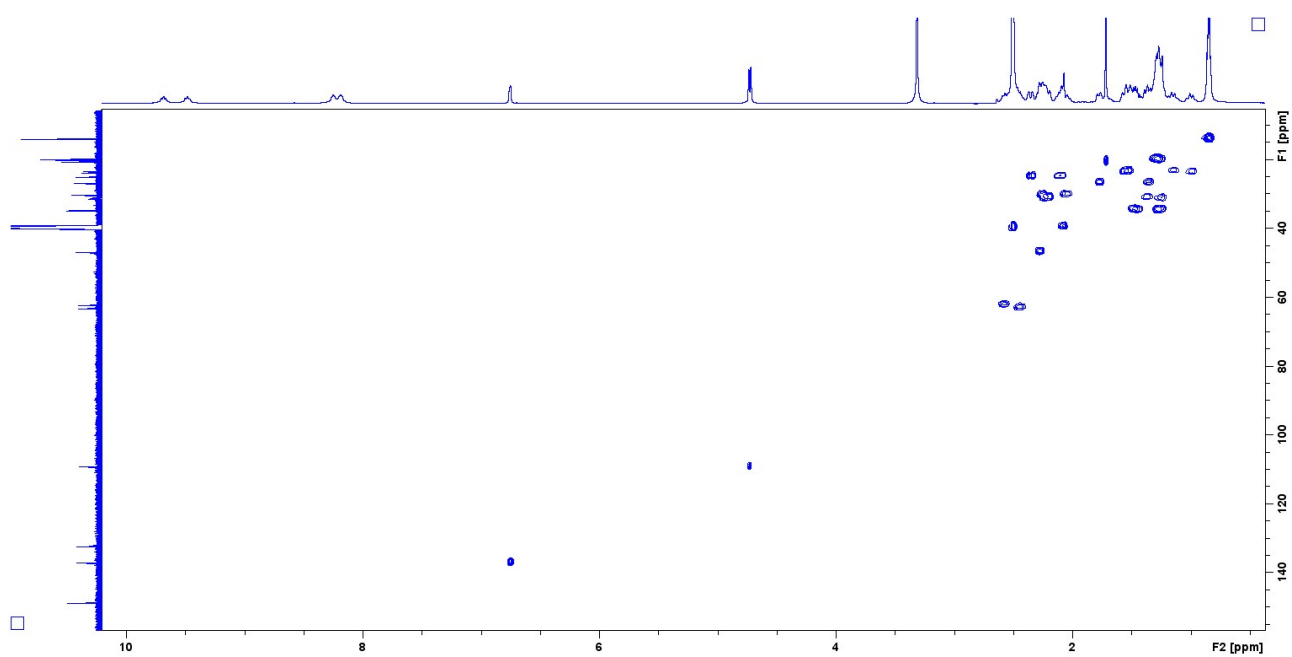


Figure S26. ^1H - ^{13}C HSQC NMR spectrum of **9** in DMSO-d_6 .

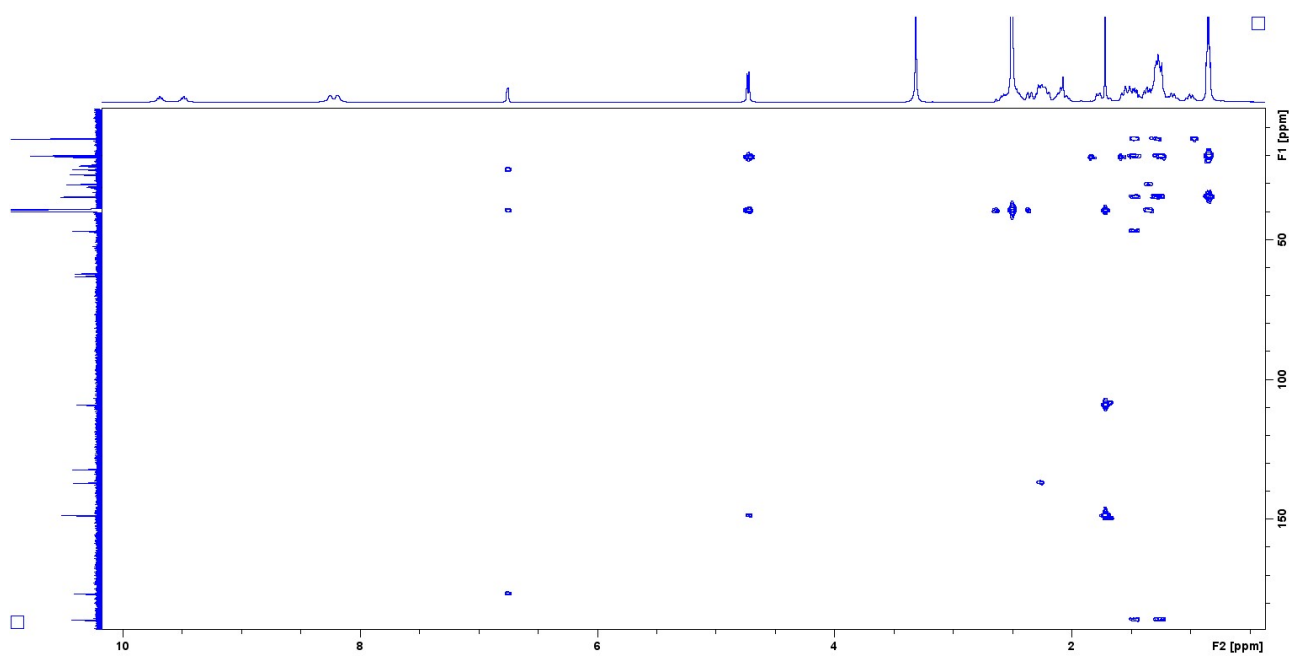


Figure S27. ^1H - ^{13}C HMBC NMR spectrum of **9** in DMSO-d_6 .