

Supplementary information

Arylamine Analogs of Methylene Blue: Substituent Effect on Aggregation Behavior and DNA Binding

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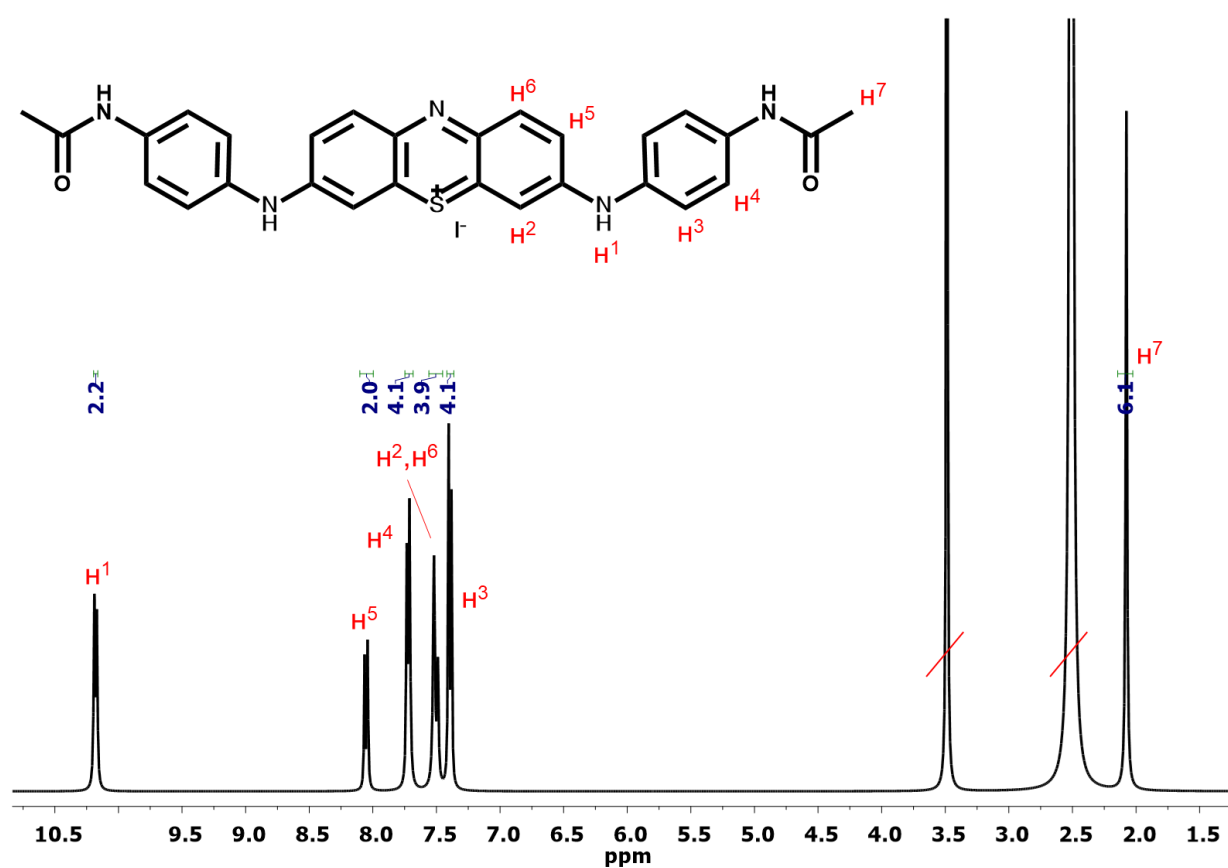


Figure S1. ^1H NMR spectrum of the compound **PTZa**, $\text{DMSO}-d_6$, 300 K, 400 MHz.

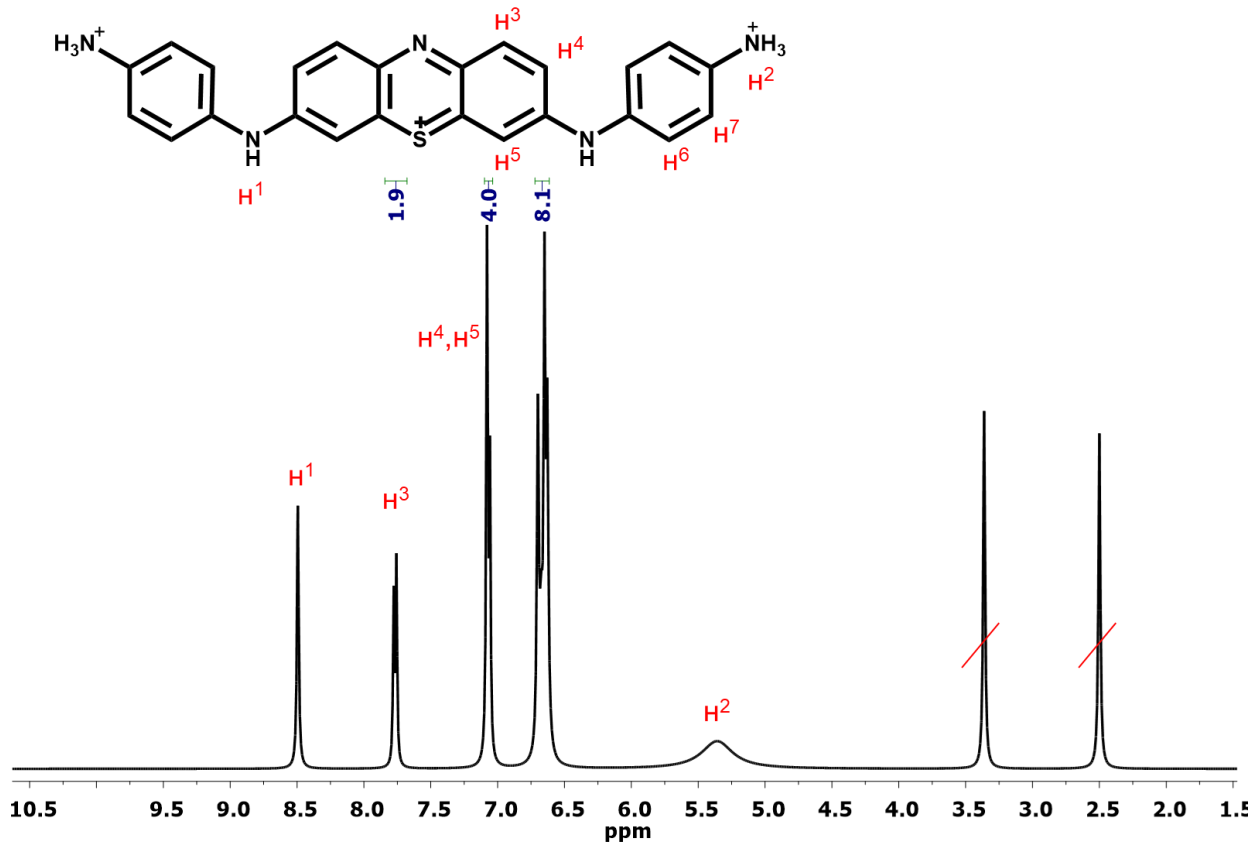


Figure S2. ^1H NMR spectrum of the compound **PTZ1**, $\text{DMSO}-d_6$, 300 K, 400 MHz.

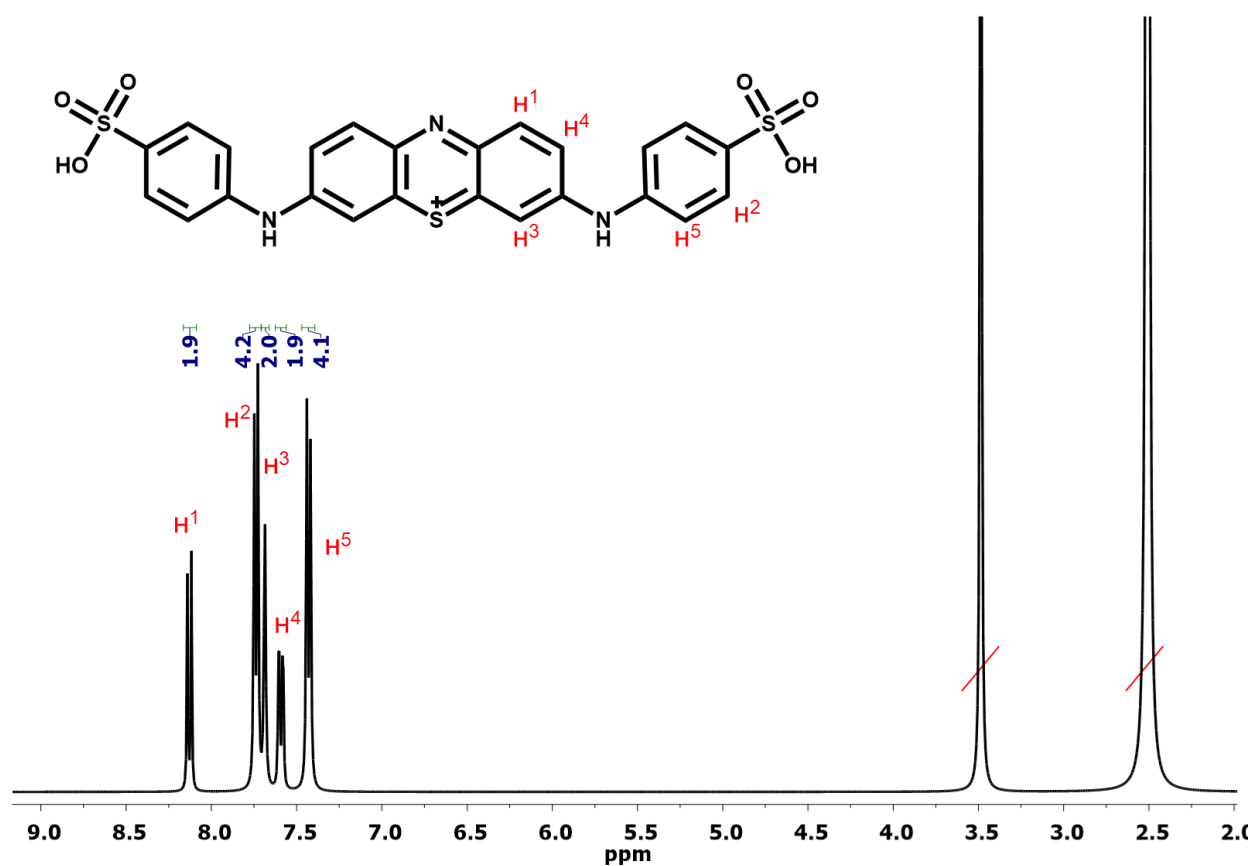


Figure S3. ¹H NMR spectrum of the compound **PTZ2**, DMSO-*d*₆, 300 K, 400 MHz.

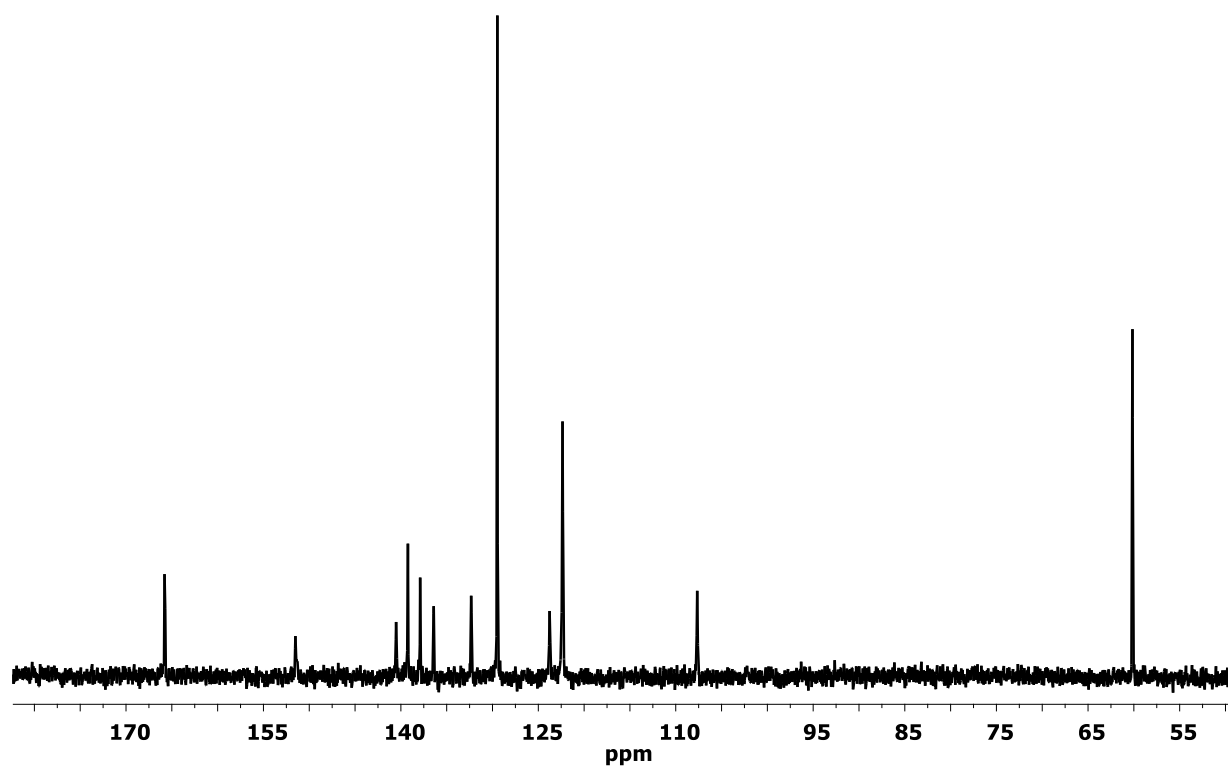


Figure S4. ¹³C NMR spectrum of the compound **PTZa**, DMSO-*d*₆, 300 K, 100 MHz.

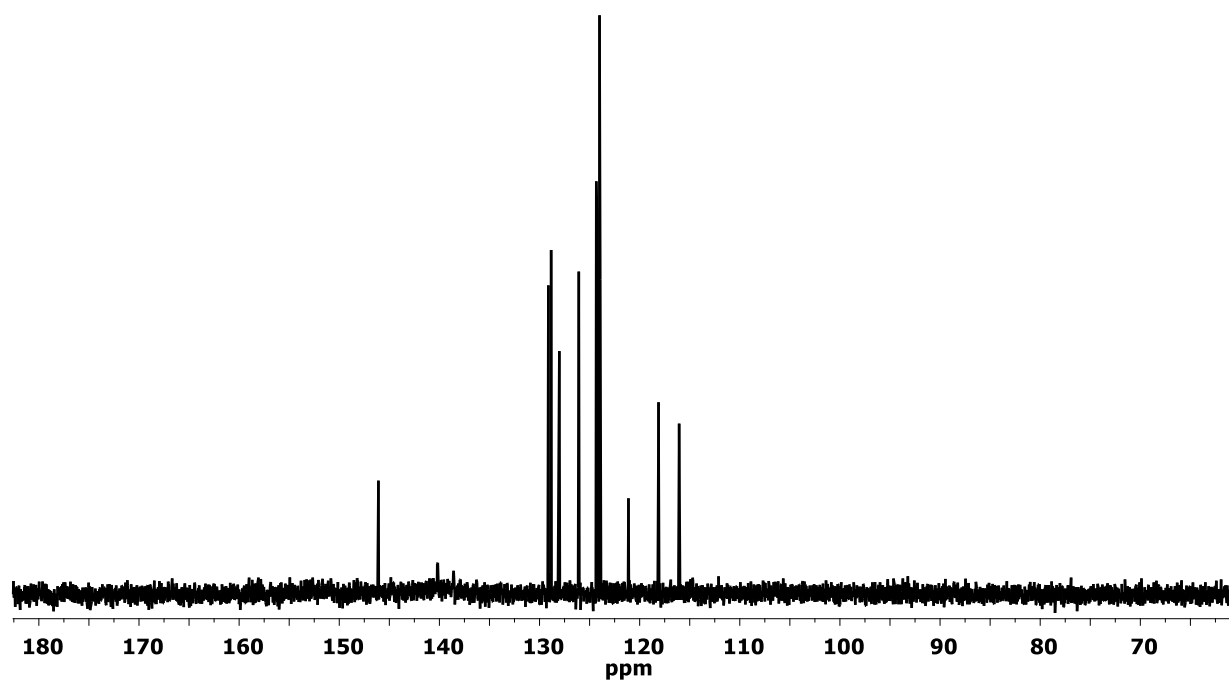


Figure S5. ^{13}C NMR spectrum of the compound **PTZ1**, $\text{DMSO-}d_6$, 300 K, 100 MHz.

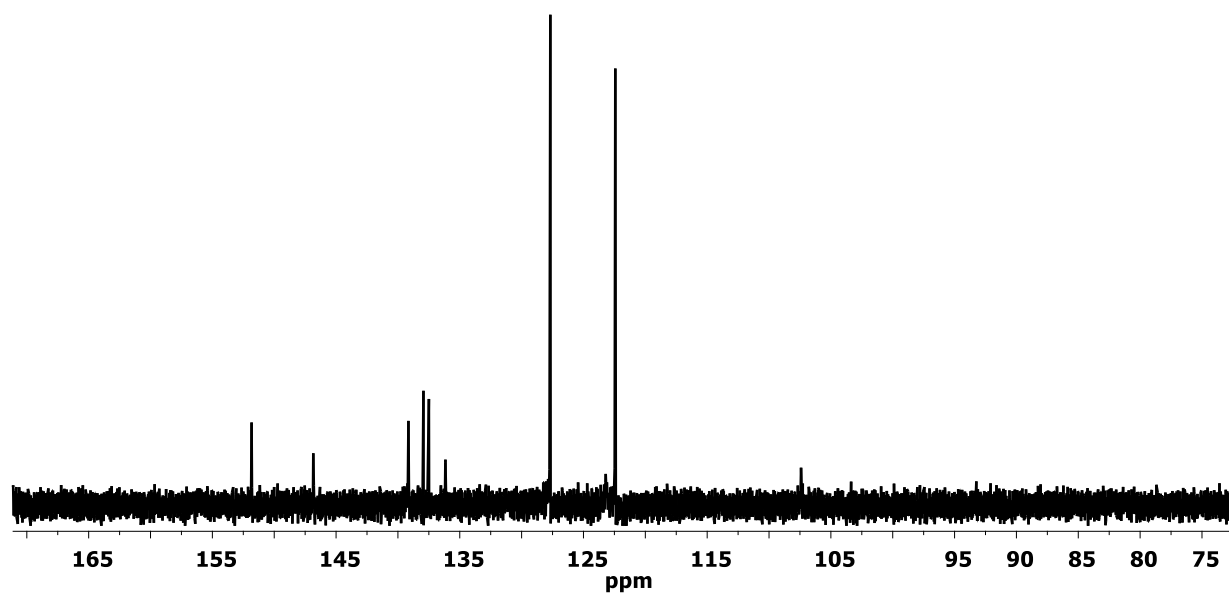


Figure S6. ^{13}C NMR spectrum of the compound **PTZ2**, $\text{DMSO-}d_6$, 300 K, 100 MHz.

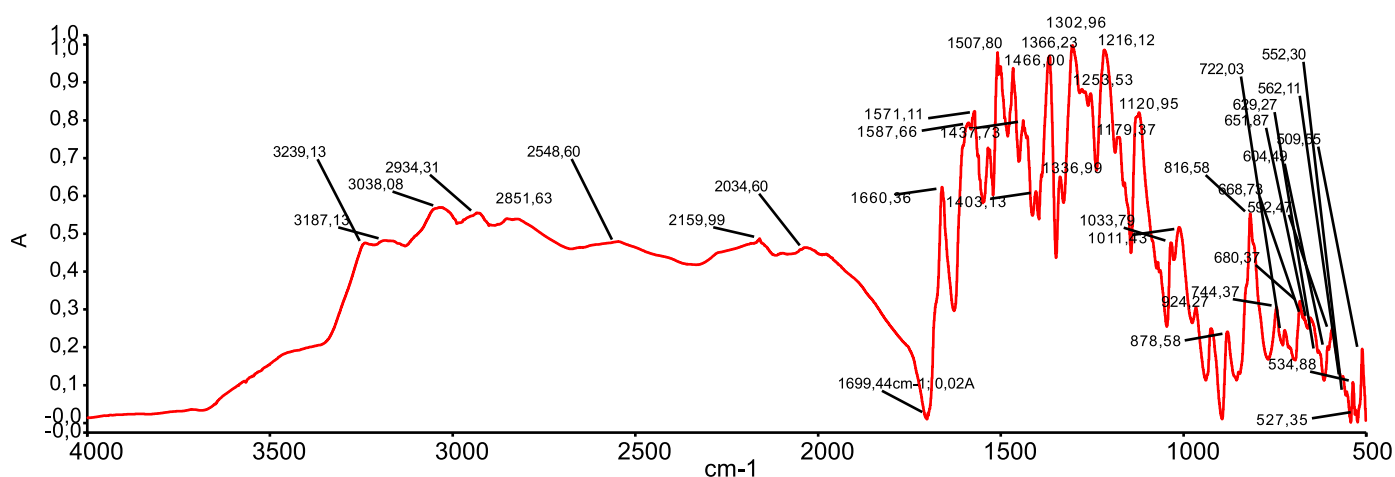


Figure S7. FT-IR spectrum of the compound **PTZa**.

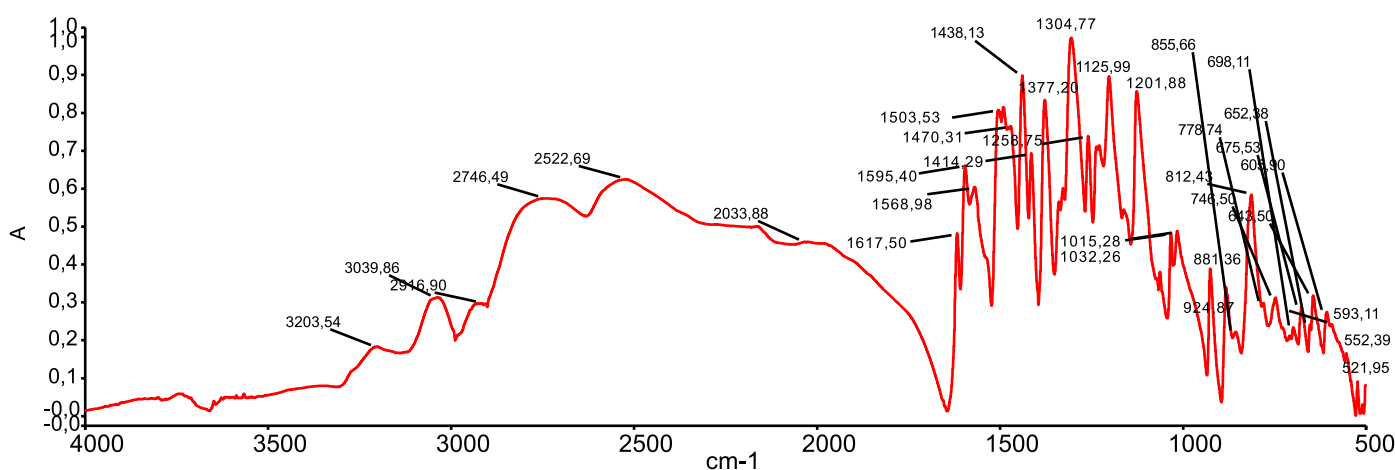


Figure S8. FT-IR spectrum of the compound **PTZ1**.

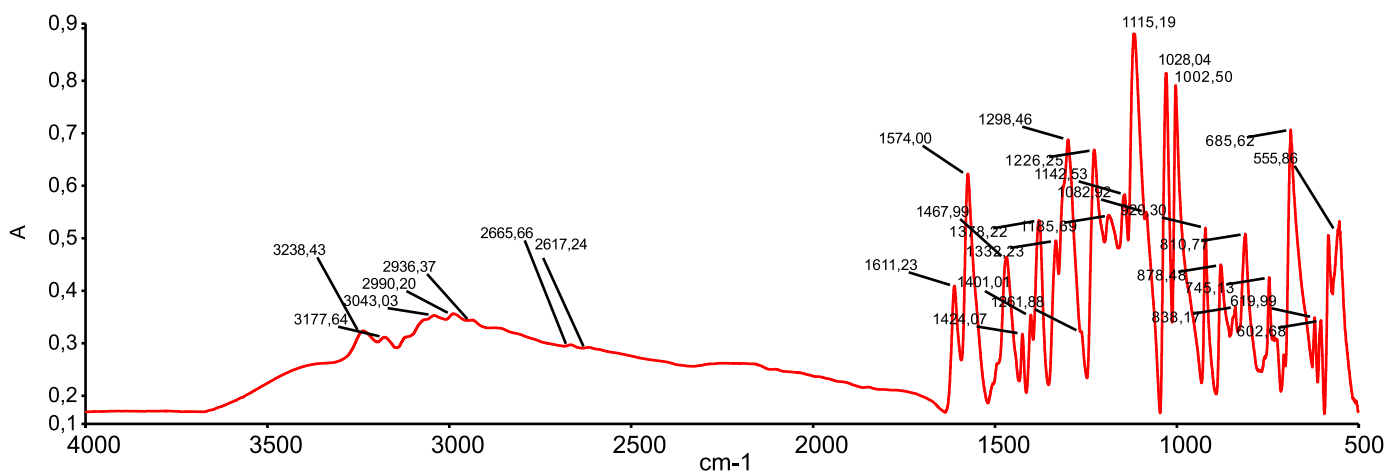


Figure S9. FT-IR spectrum of the compound **PTZ2**.

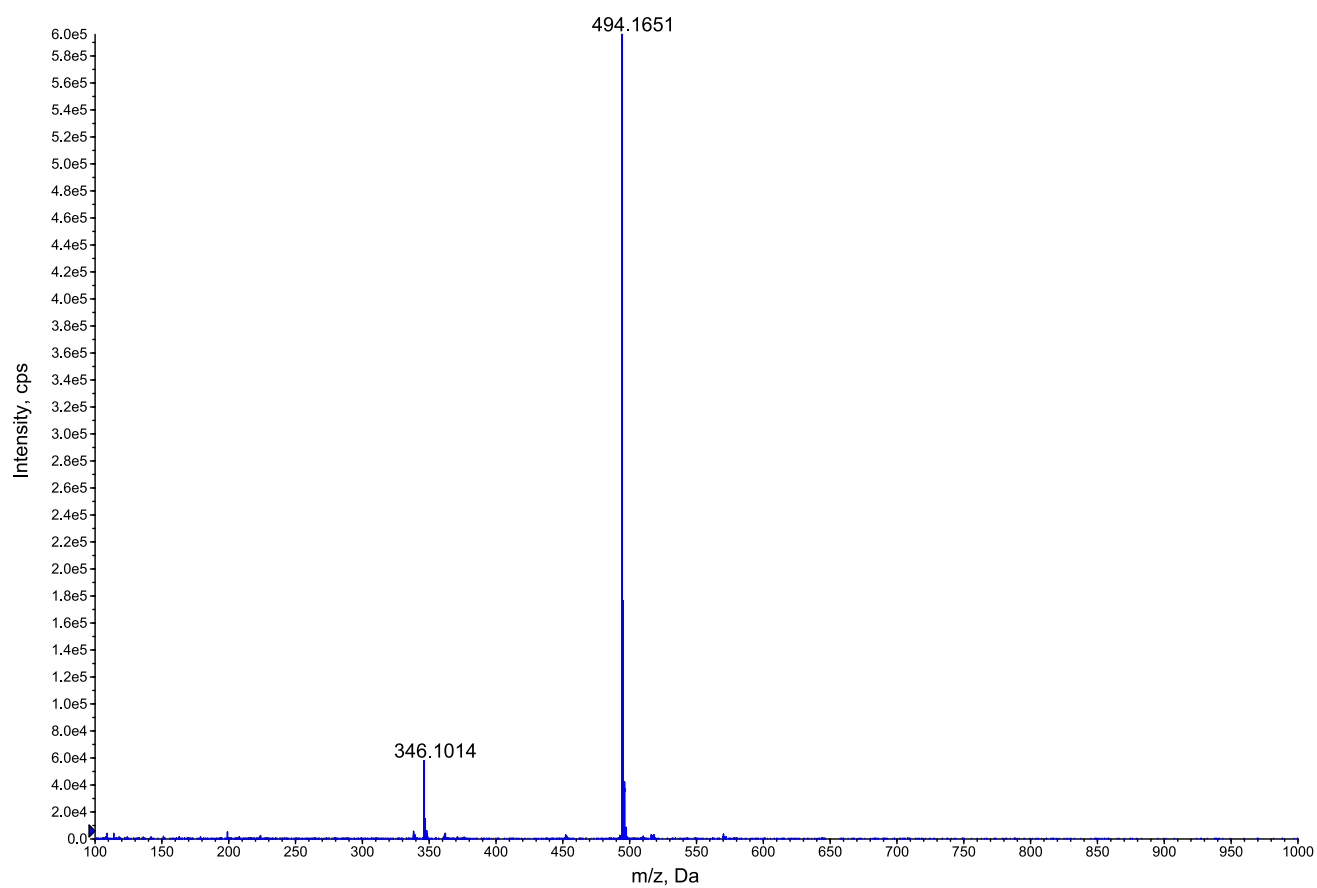


Figure S10. HRMS spectrum of the compound **PTZa**.

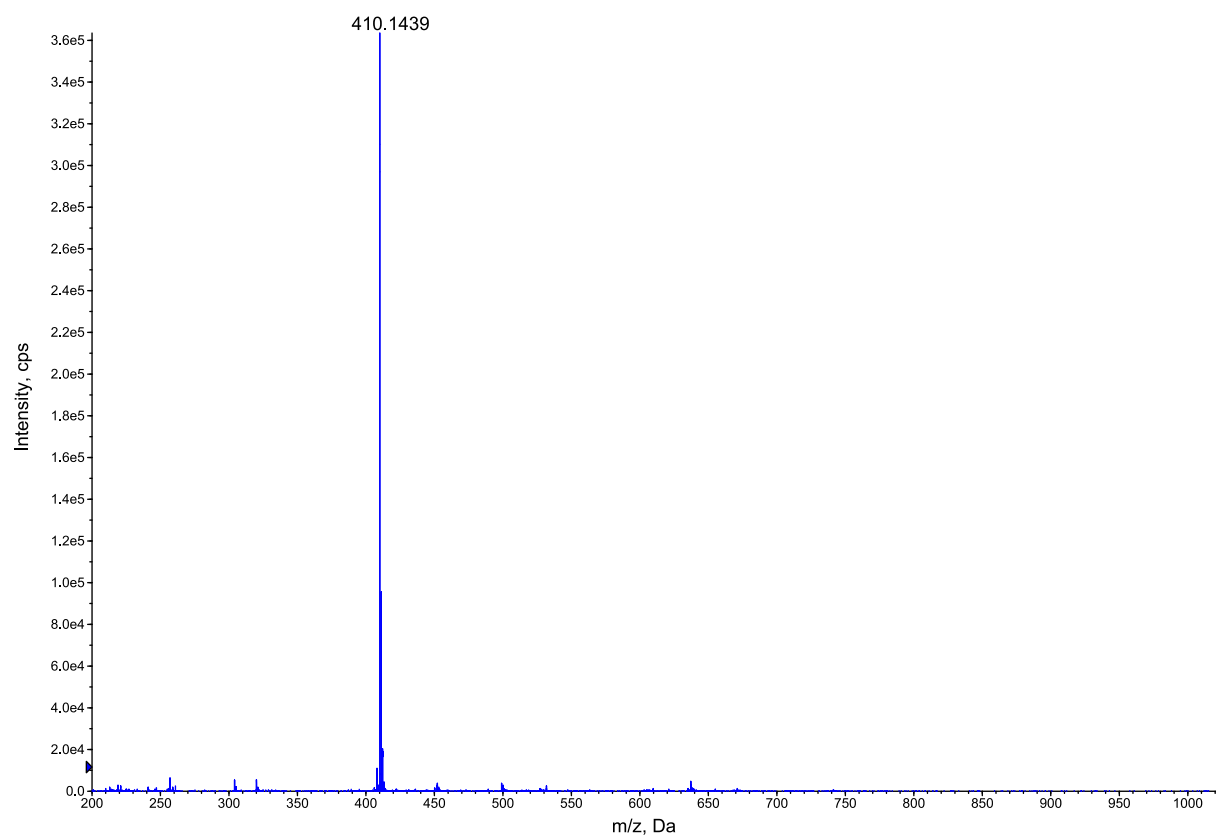


Figure S11. HRMS spectrum of the compound **PTZ1**.

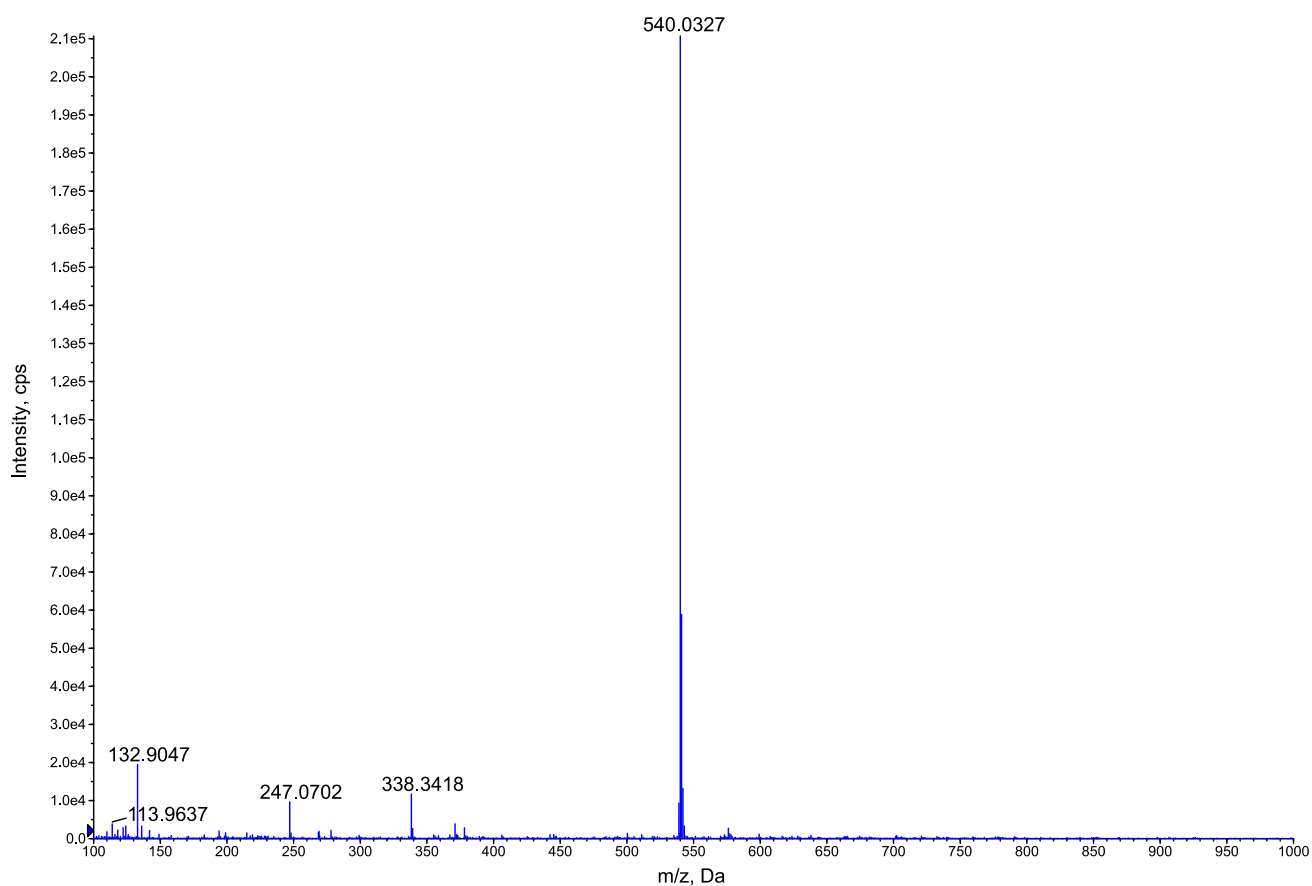


Figure S12. HRMS spectrum of the compound **PTZ2**.

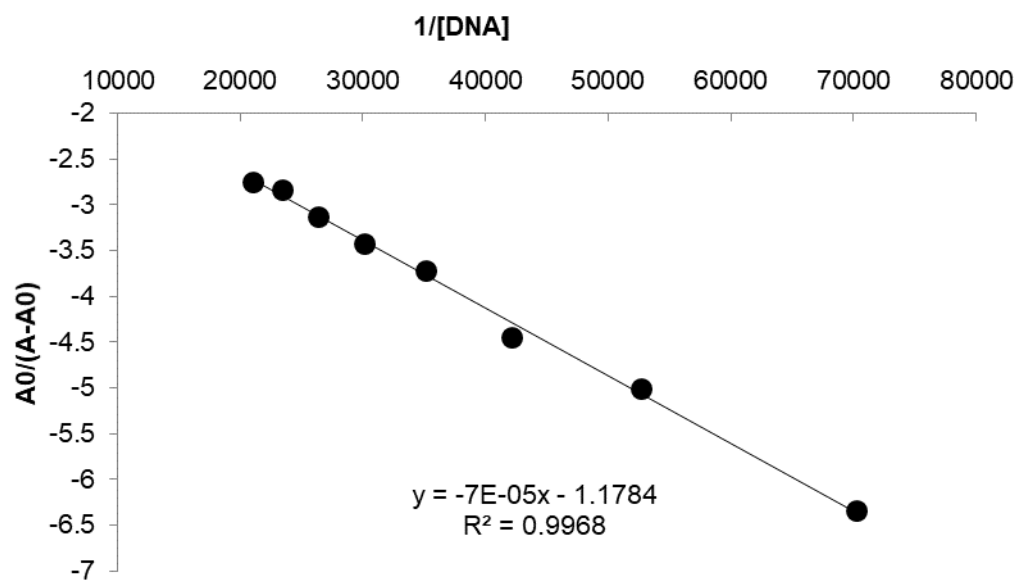


Figure S13. $1/[\text{DNA}]$ versus $A_0/(A - A_0)$ plot for **MB**-DNA UV-Vis titration.

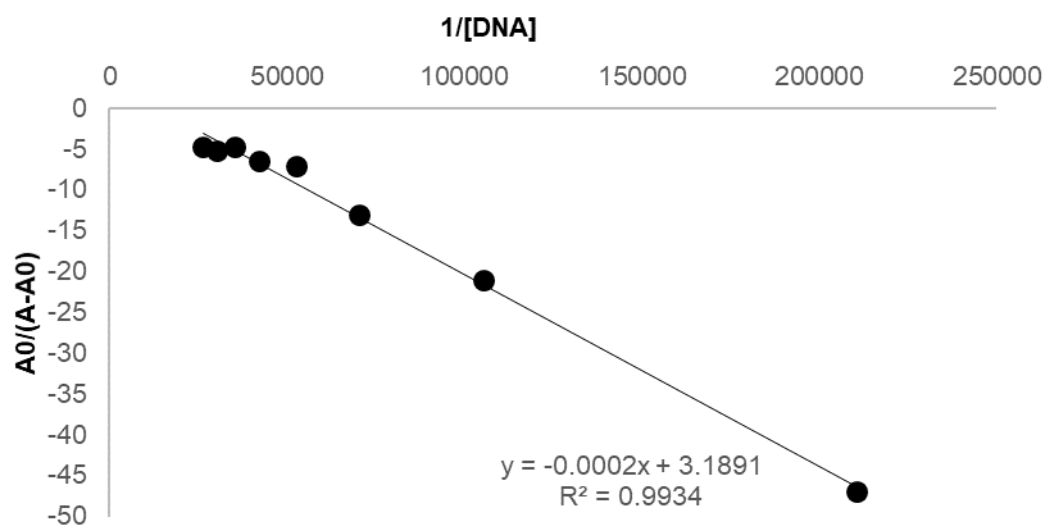


Figure S14. $1/[\text{DNA}]$ versus $A_0/(A-A_0)$ plot for **PTZ1**-DNA UV-Vis titration.