

Electronic Supporting Information
for
SYNTHESIS OF MONOFUNCTIONAL PLATINUM(IV)
CARBOXYLATE PRECURSORS FOR USE IN PT(IV)-PEPTIDE
BIOCONJUGATES

by
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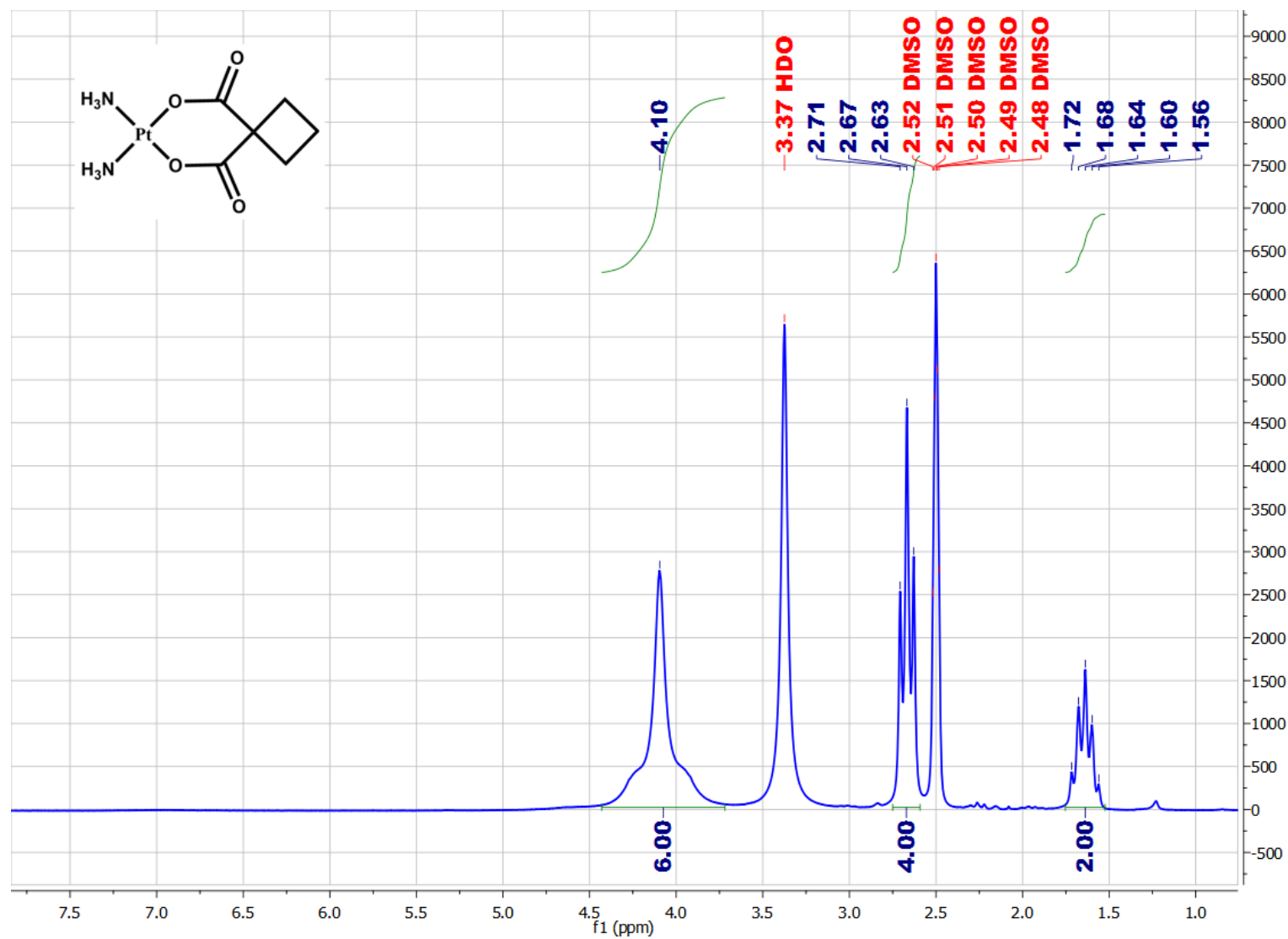


Figure S1. ^1H NMR spectrum of dicarboxylate platinum(II) complex (2a)

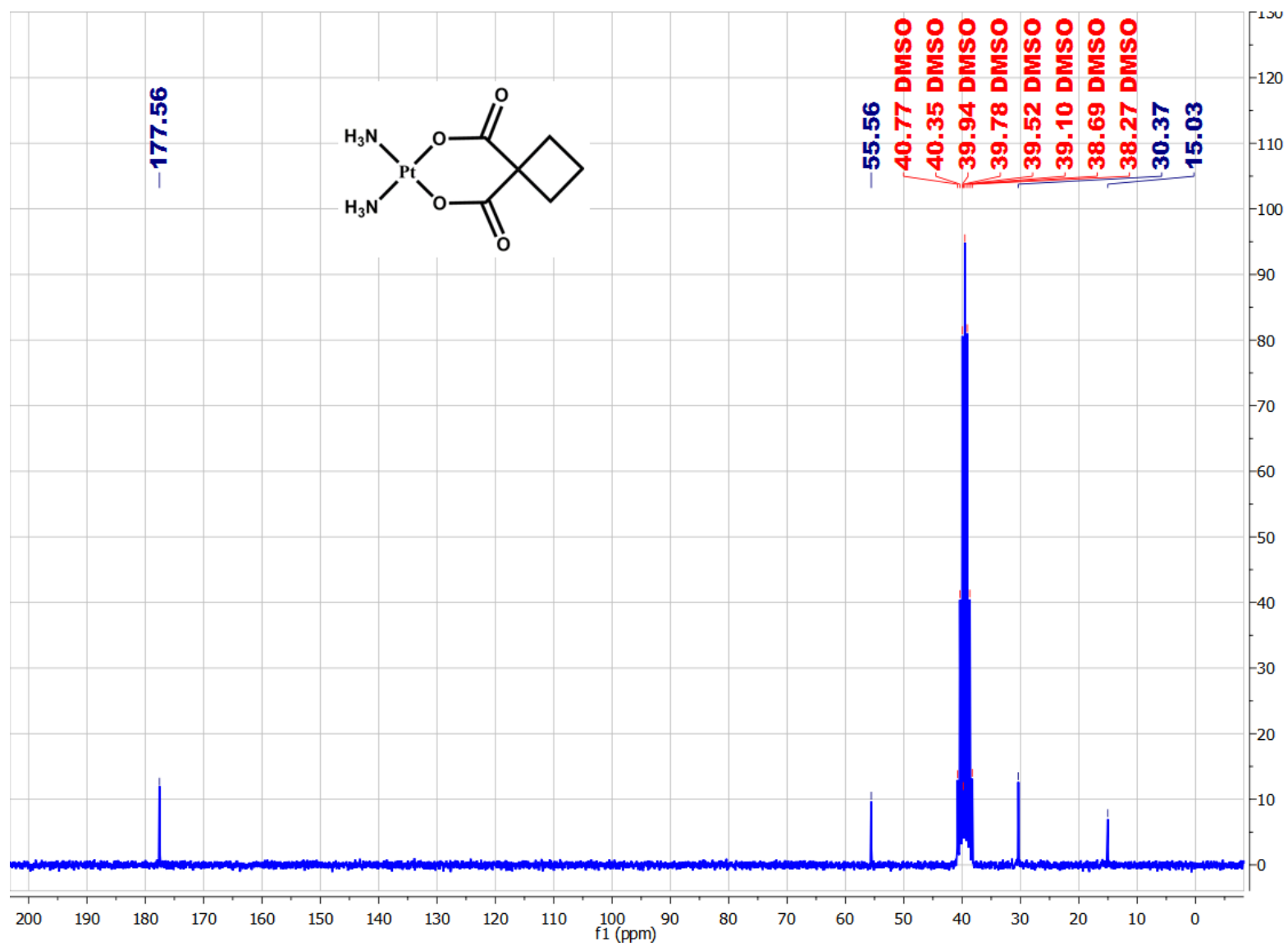


Figure S2. ESI-MS spectrum of dicarboxylate platinum(II) complex (2a)

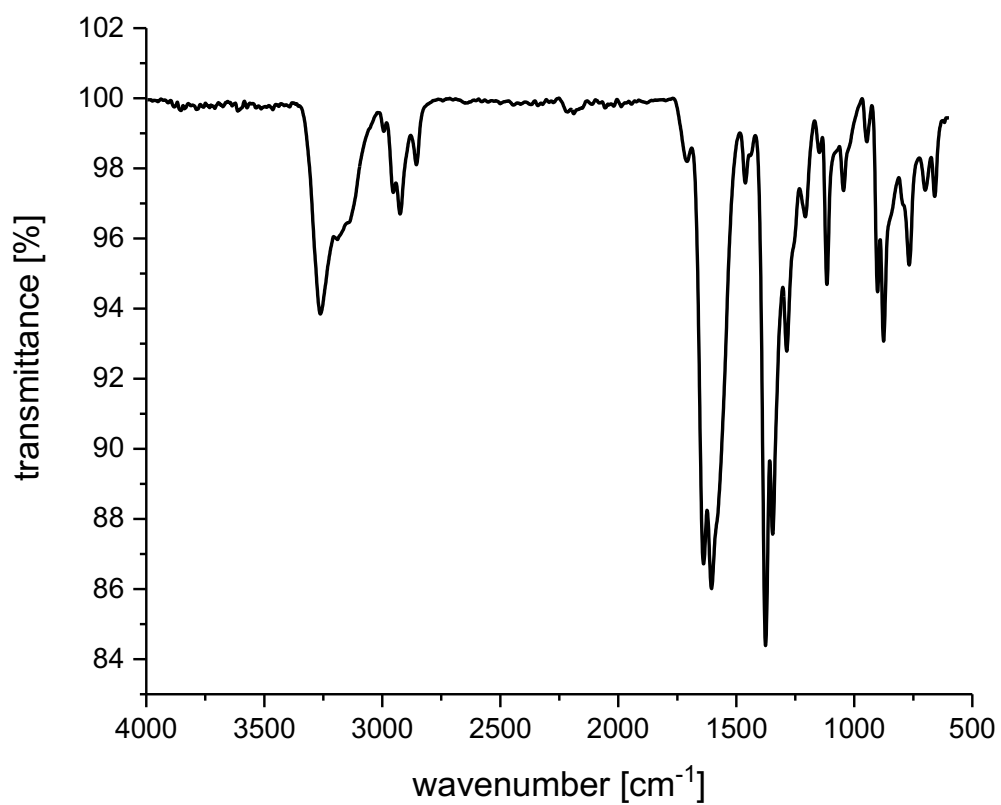


Figure S3. FT-IR spectrum of dicarboxylate platinum(II) complex (**2a**)

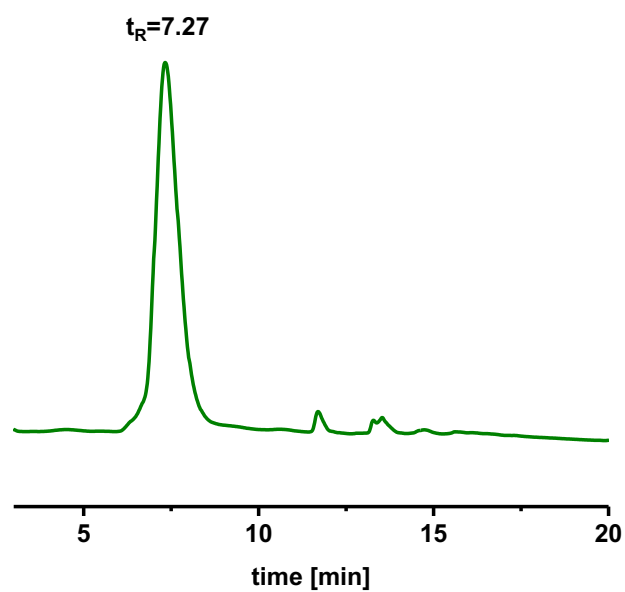


Figure S4. HPLC chromatogram at 214 nm of dicarboxylate platinum(II) complex (**2a**)

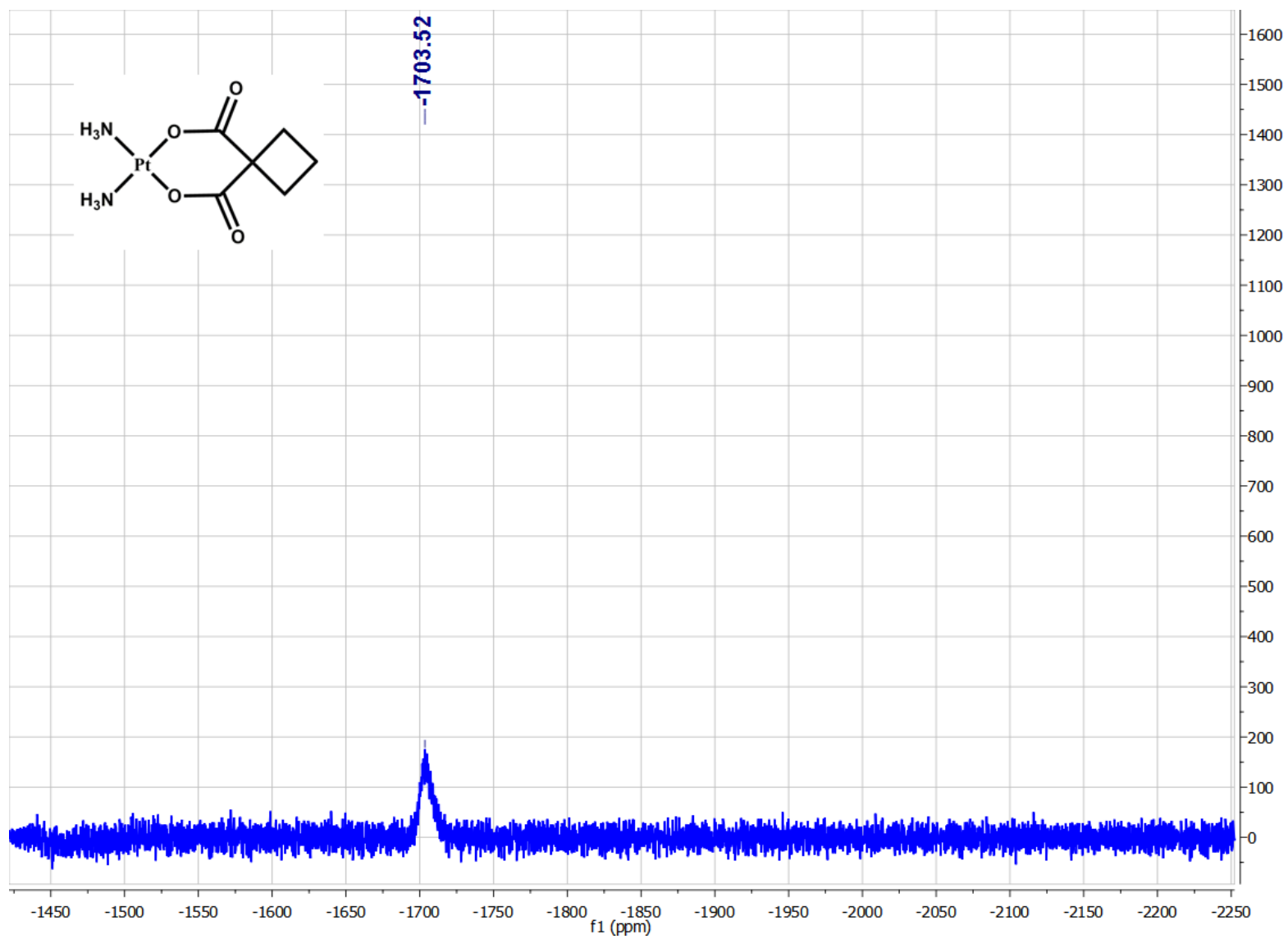


Figure S5. ^{195}Pt NMR spectrum of dicarboxylate platinum(II) complex (**2a**)

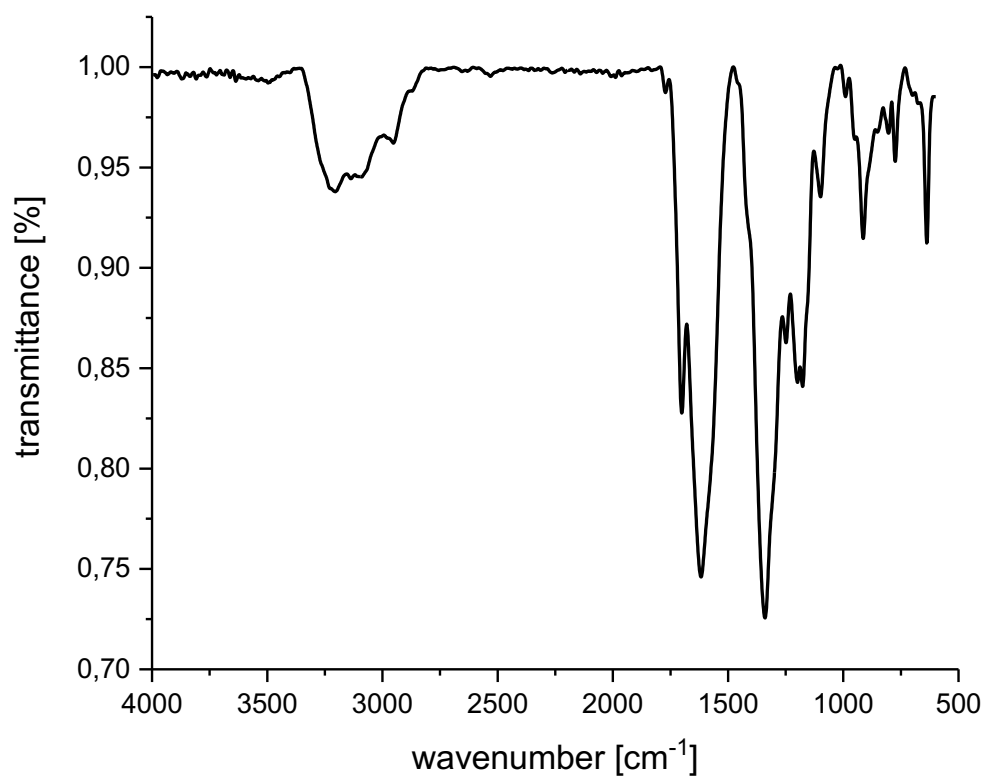


Figure S6. FT-IR spectrum of dicarboxylate platinum(IV) complex (**3a**)

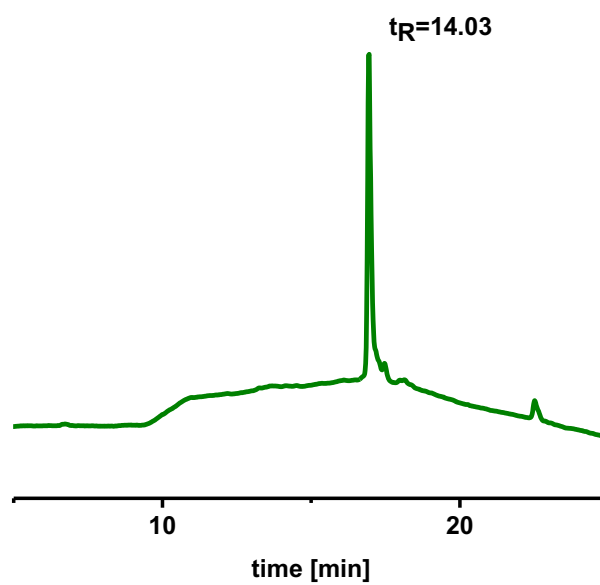


Figure S7. HPLC chromatogram at 214 nm of dicarboxylate platinum(IV) complex (**3a**)

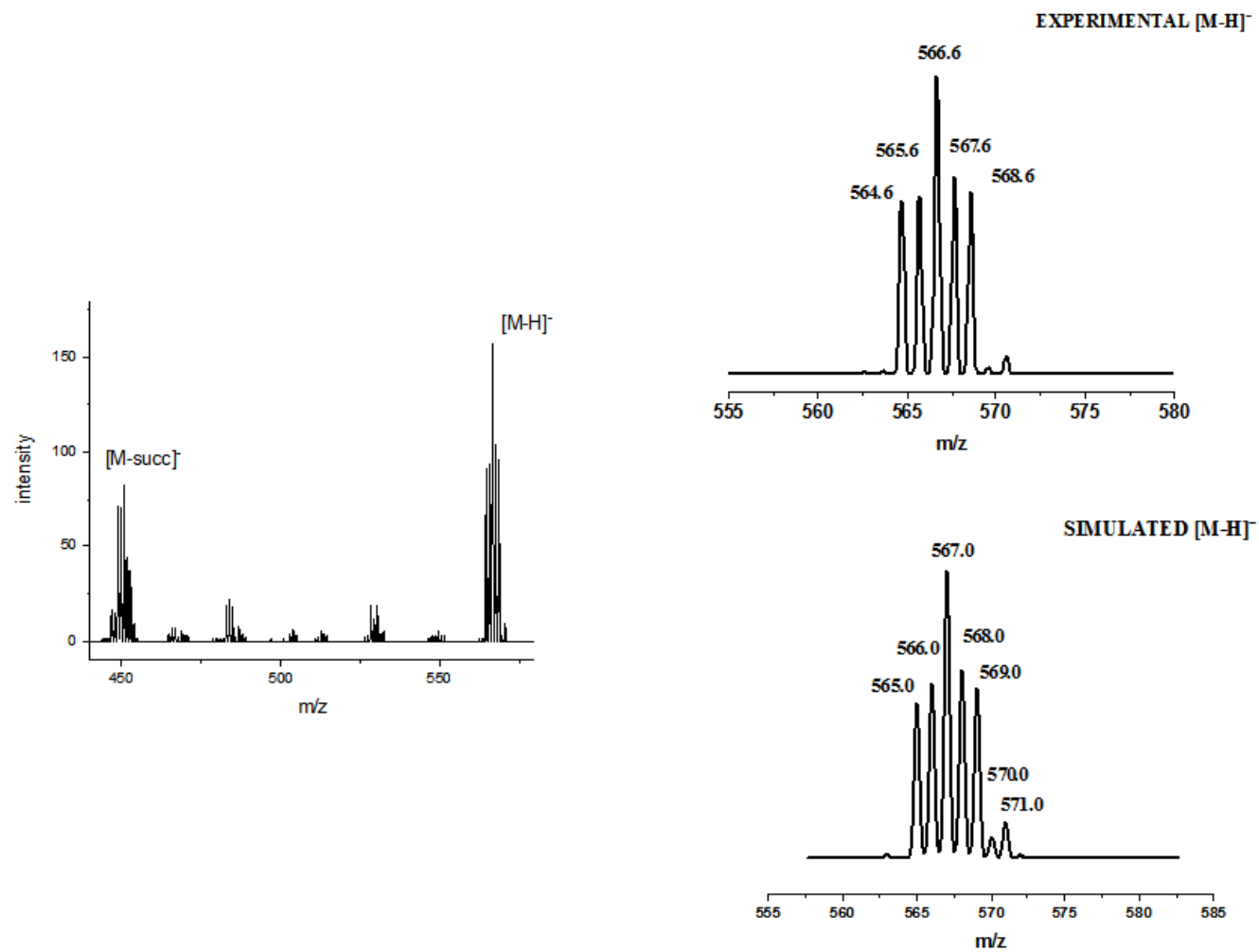


Figure S8. ESI-MS spectrum of dicarboxylate platinum(IV) complex (**3a**)

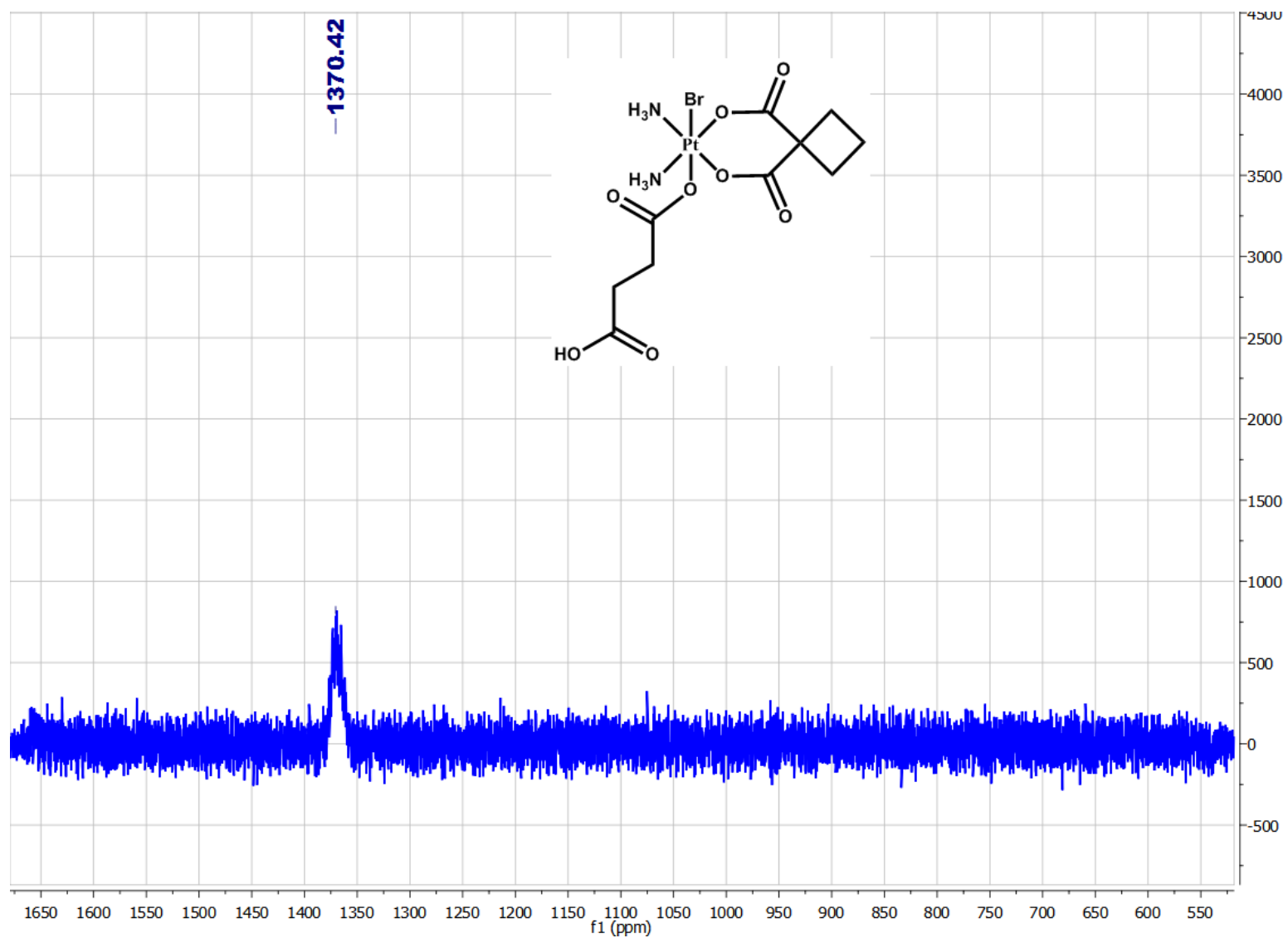
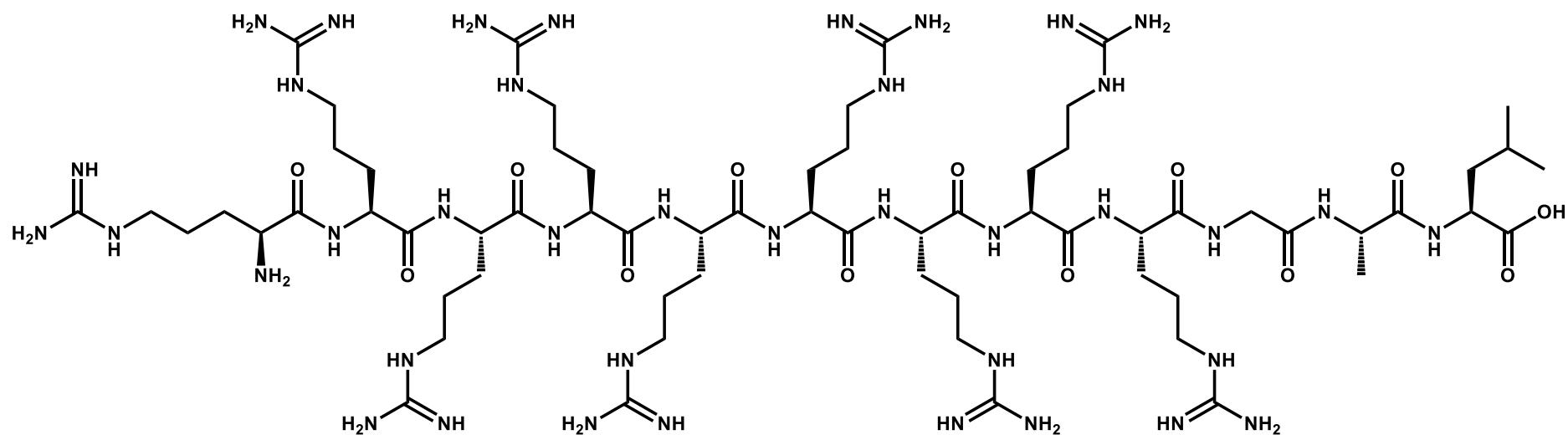


Figure S9. ^{195}Pt NMR spectrum of dicarboxylate platinum(II) complex (2a)



Exact Mass: 1664,06
Molecular Weight: 1665,01



Figure S10. Structure of polyarginine peptide (**P1**)

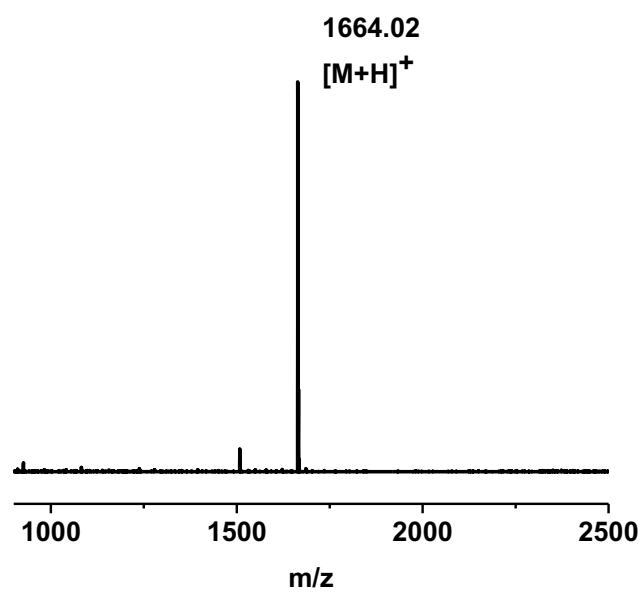


Figure S11. ESI-MS spectrum of polyarginine peptide (**P1**)

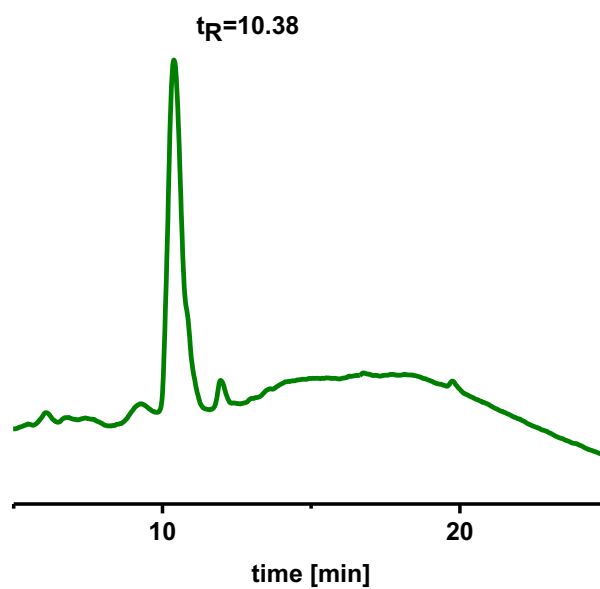


Figure S12. HPLC chromatogram at 214 nm of polyarginine peptide (**P1**)

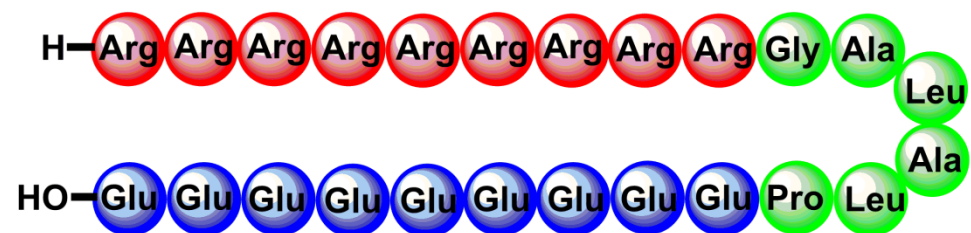
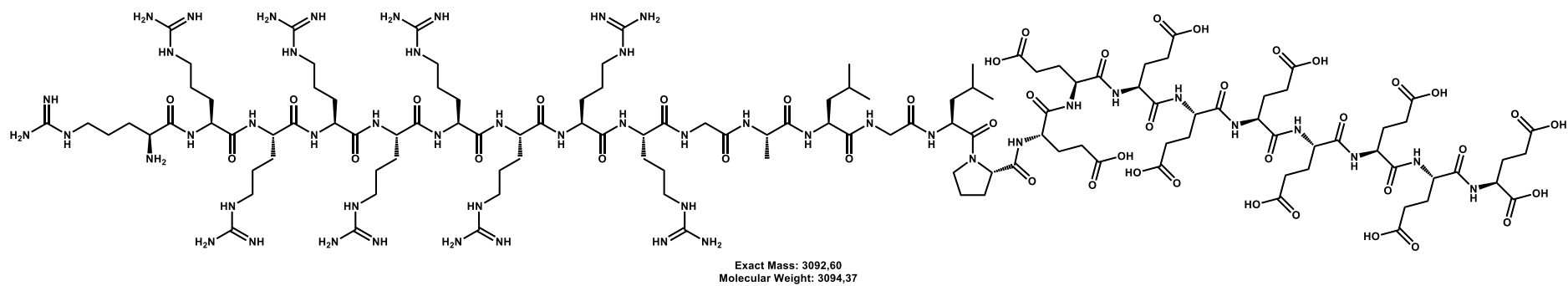


Figure S13. Structure of polyarginine-polyglutamic peptide (P2)

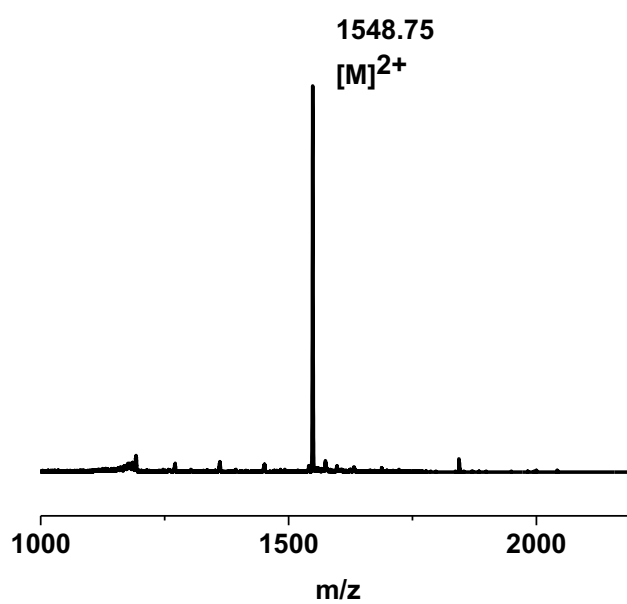


Figure S14. ESI-MS spectrum of polyarginine-polyglutamic peptide (**P2**)

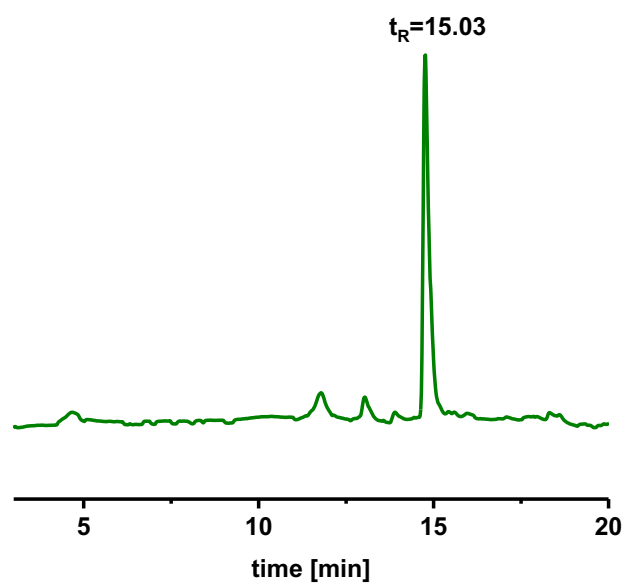


Figure S15. HPLC chromatogram at 214 nm of polyarginine-polyglutamic peptide (**P2**)

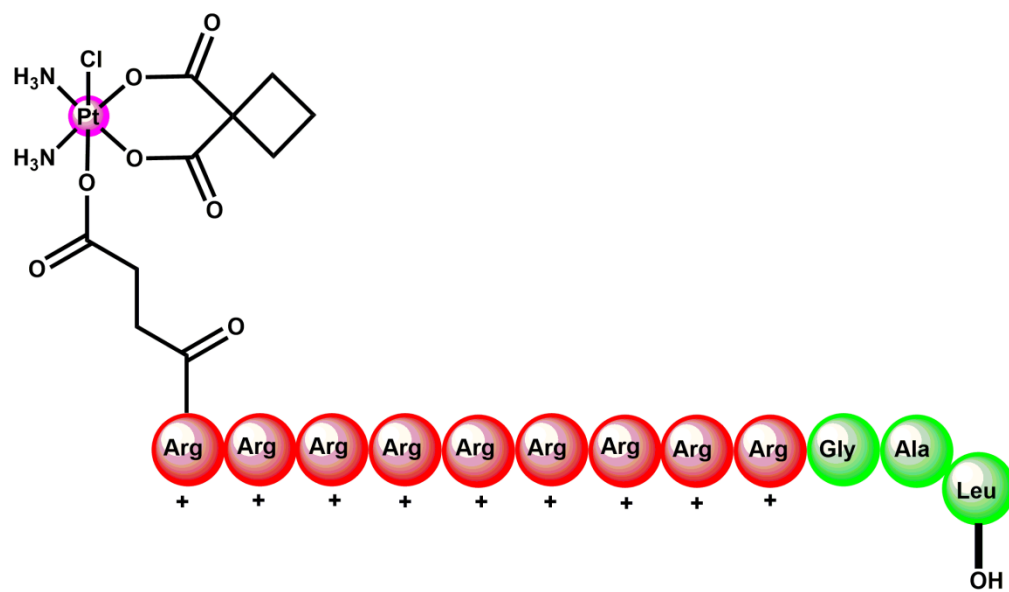


Figure S16. HPLC chromatogram at 214 nm of platinum(IV)-peptide bioconjugate (4a)

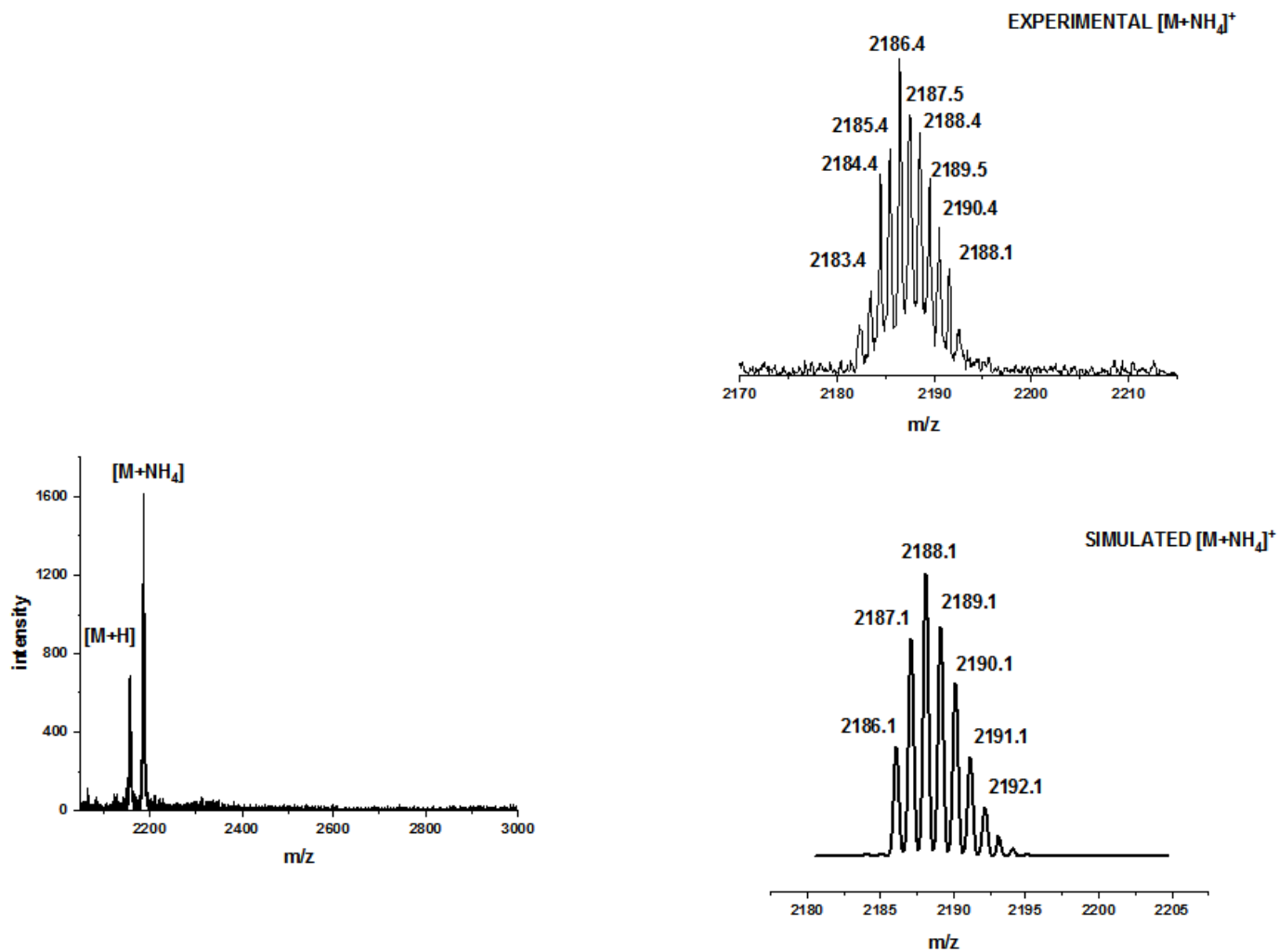


Figure S17. MALDI spectrum of platinum(IV)-peptide bioconjugate (4a)

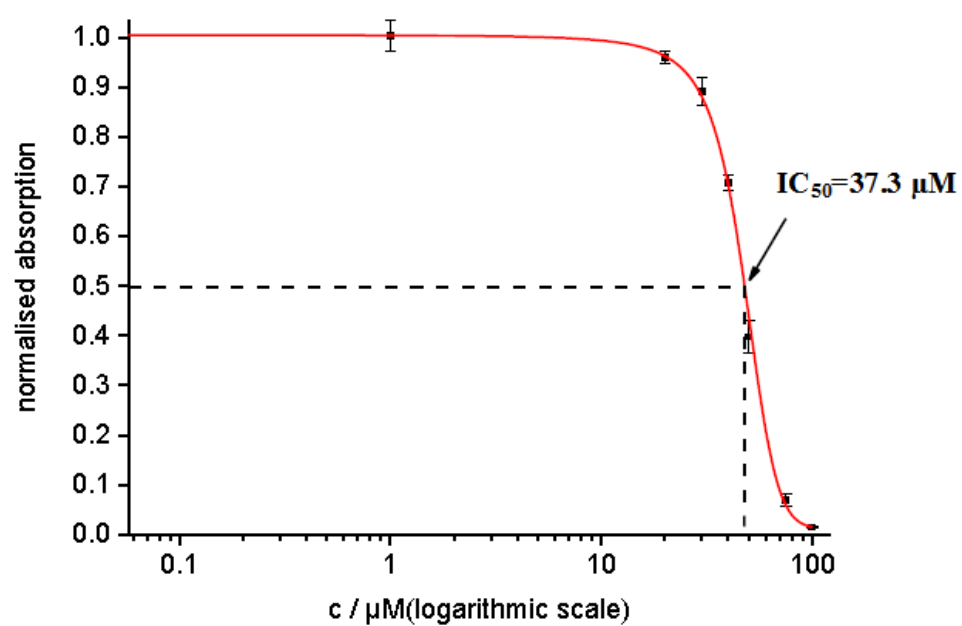


Figure S18. The dose-response curve for the determination of the IC_{50} value of **4a** on HepG2 cells.