

Supporting Information

Effect of amide-triazole linkers on the electrochemical and biological properties of ferrocene carbohydrate conjugates

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Figure S1: ^1H NMR spectra of **3a**

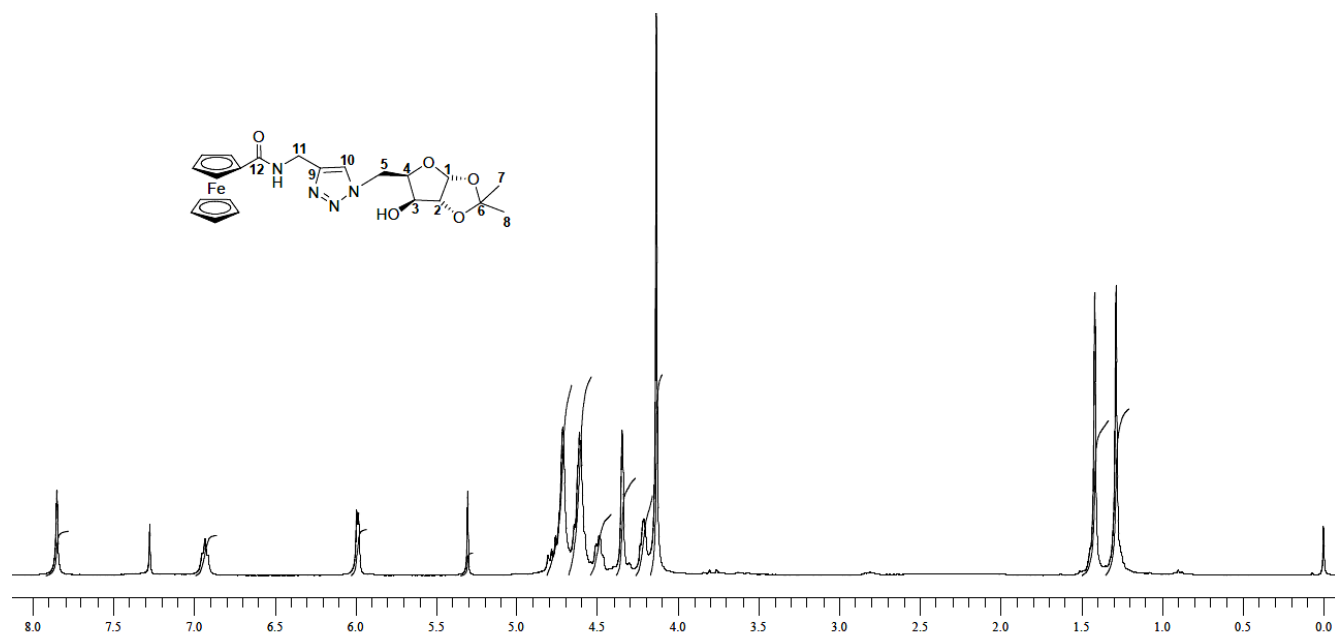


Figure S2: ^{13}C NMR spectra of **3a**

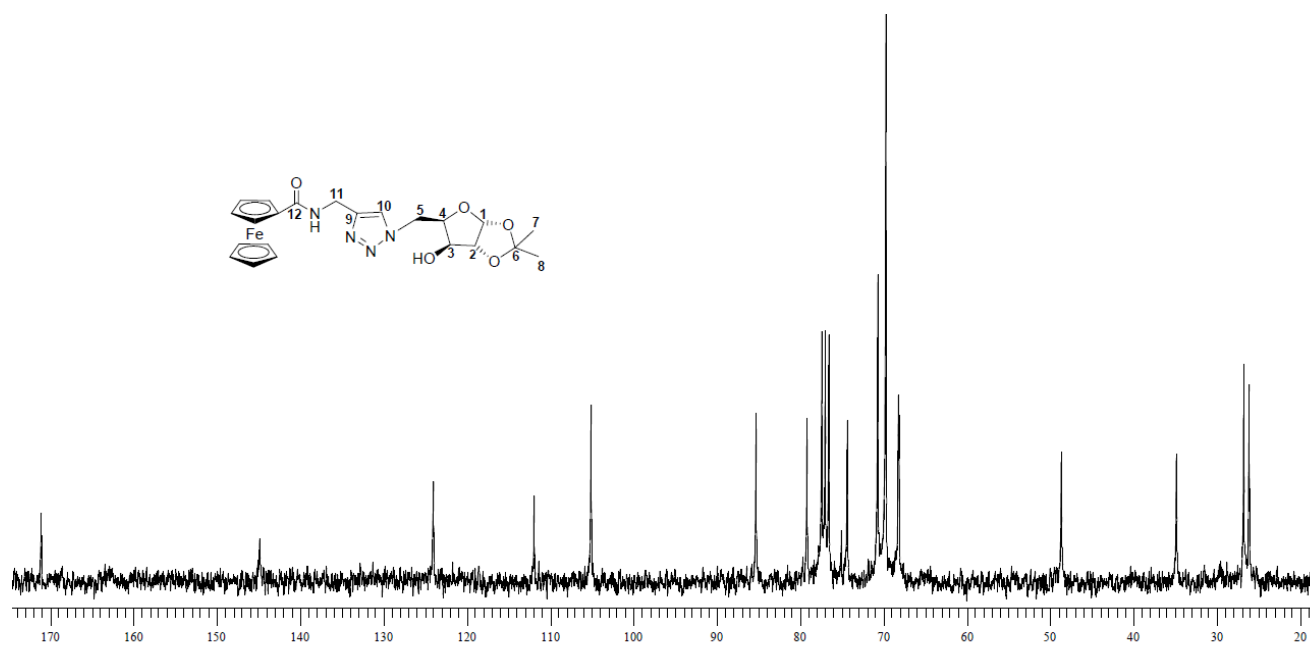


Figure S3: ^1H NMR spectra of **3b**

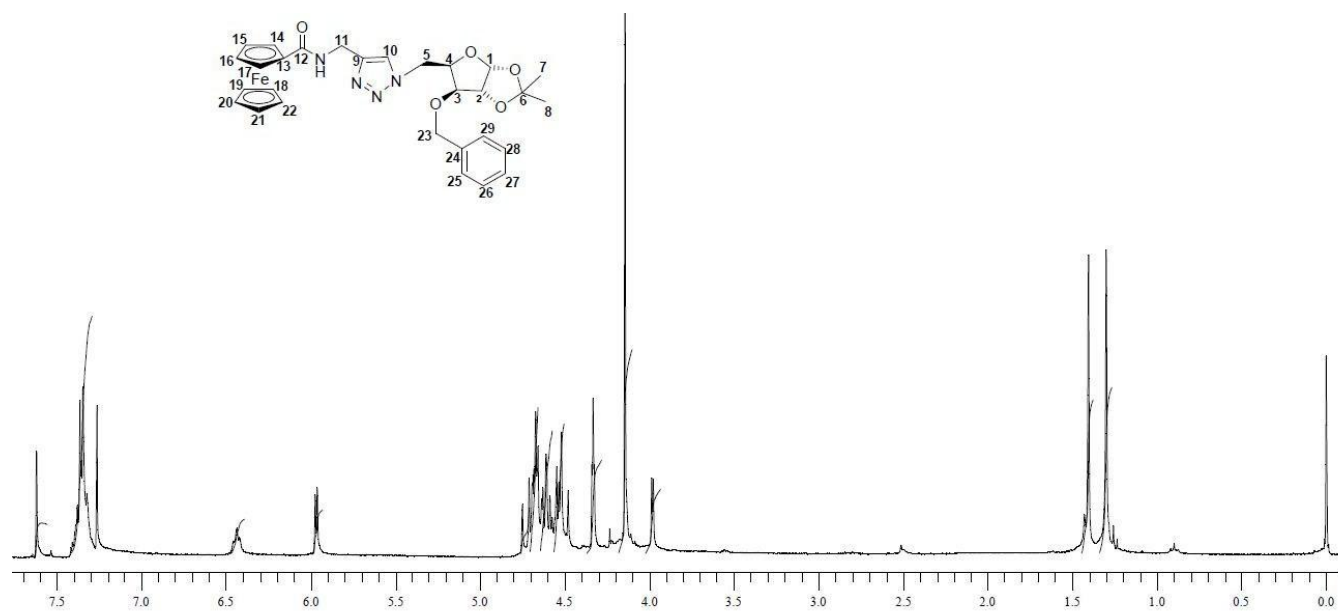


Figure S4: ^{13}C NMR spectra of **3b**

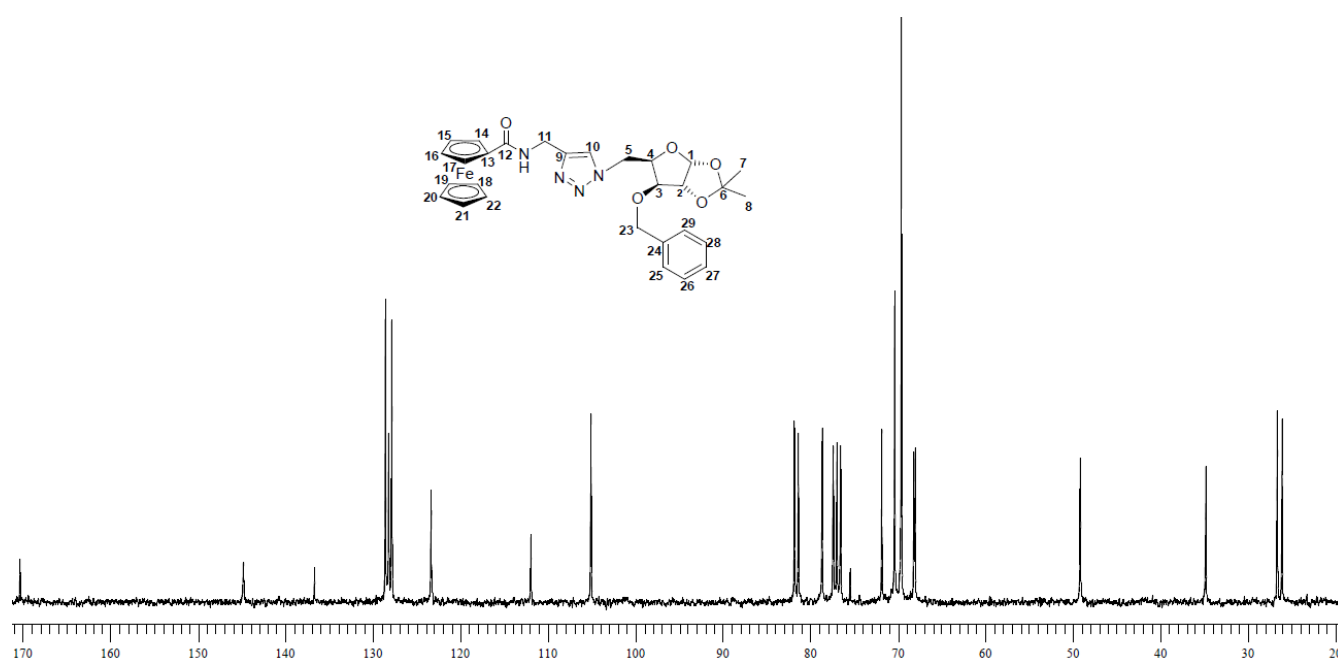


Fig S5: ^1H NMR spectra of **3c**

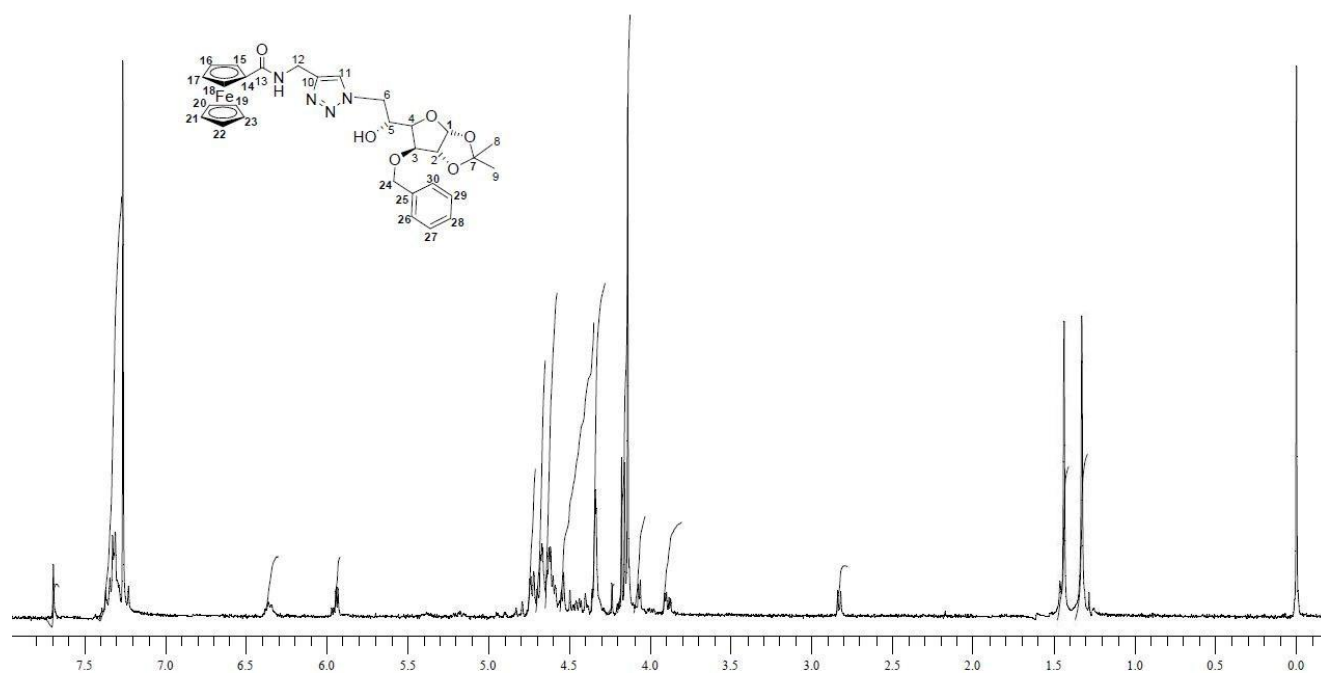


Fig S6: ^{13}C NMR spectra of **3c**

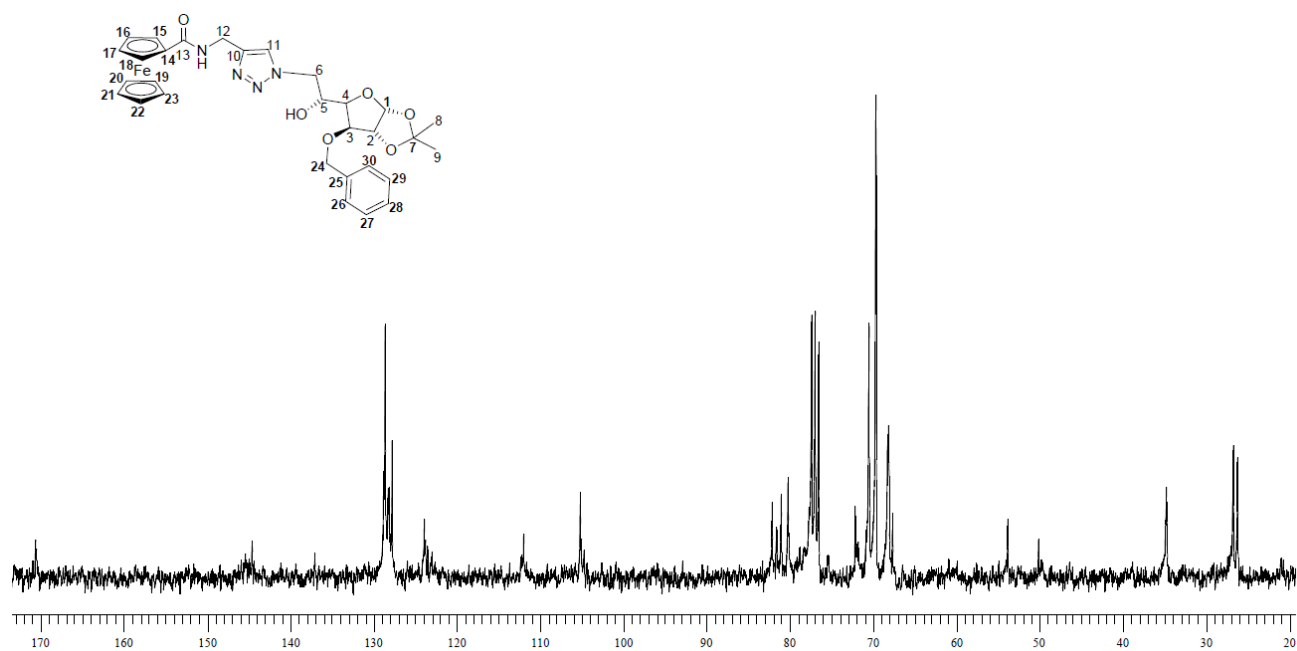


Figure S7: ^1H NMR spectra of **3d**

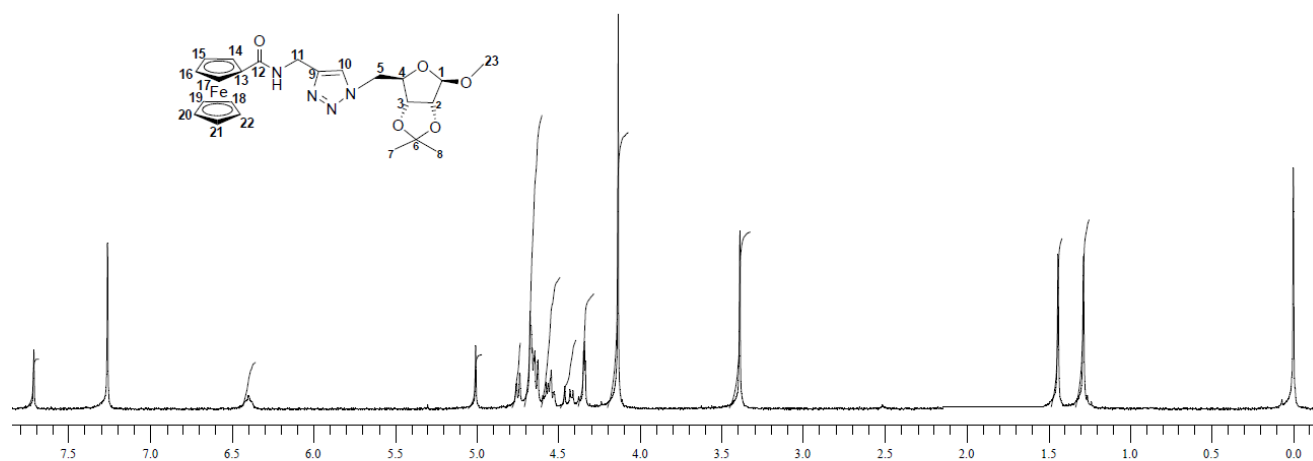


Figure S8: ^{13}C NMR spectra of **3d**

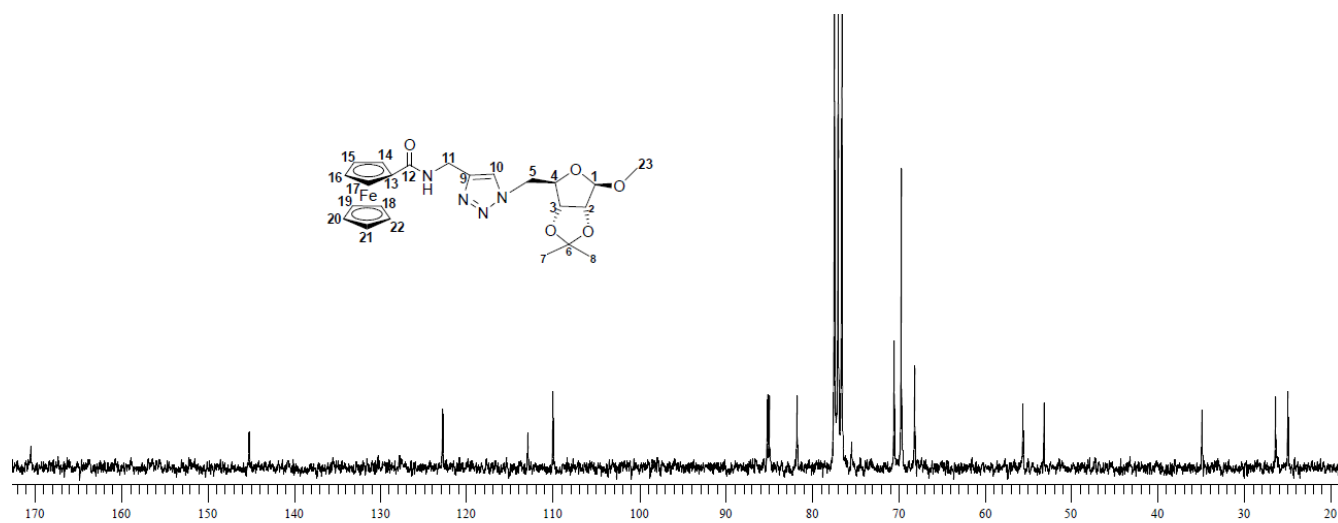


Figure S9: ^1H NMR spectra of **3e**

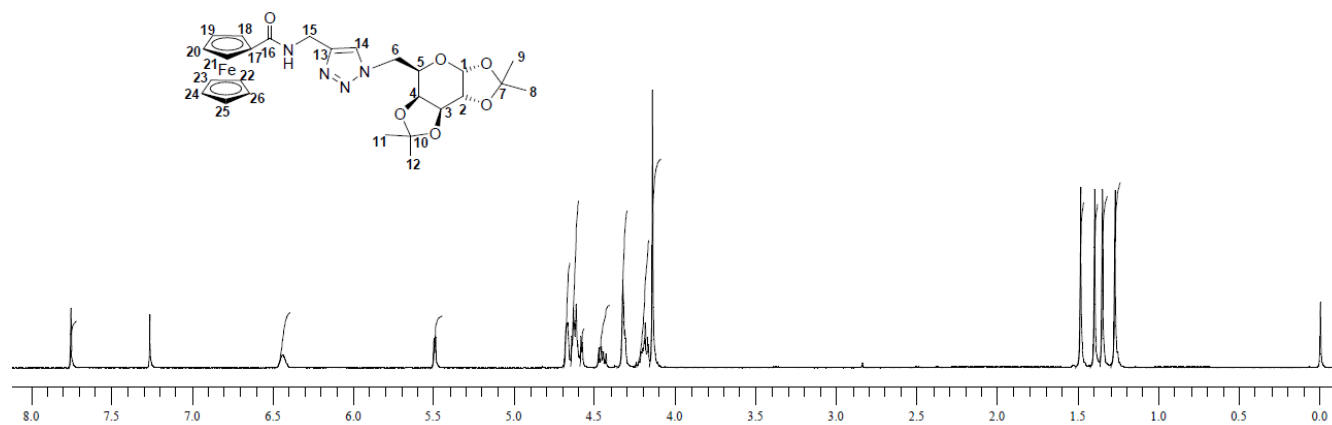


Figure S10: ^{13}C NMR spectra of **3e**

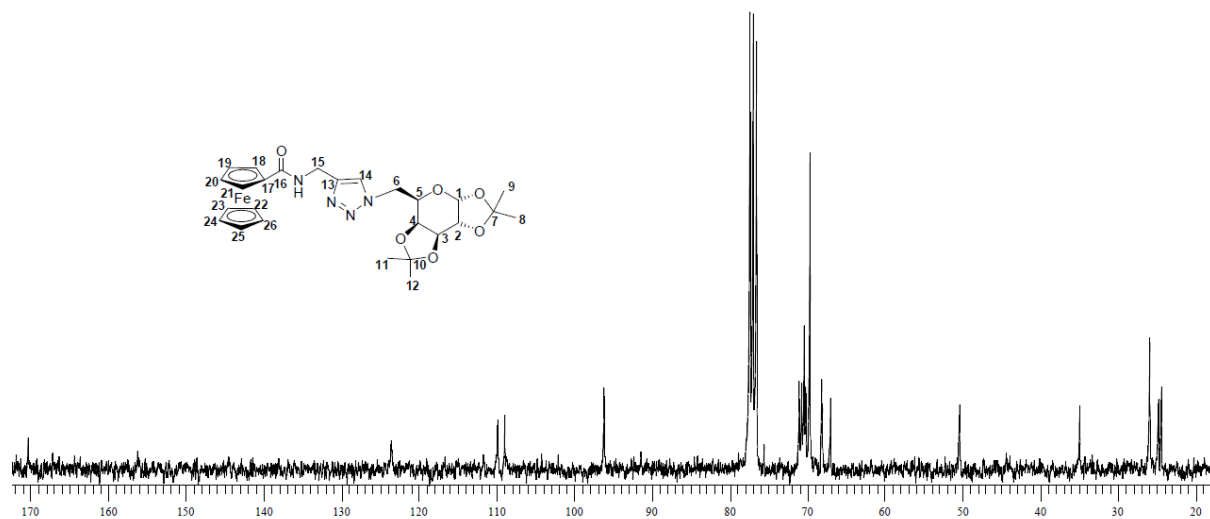


Figure S11: ^1H NMR spectra of **3f**

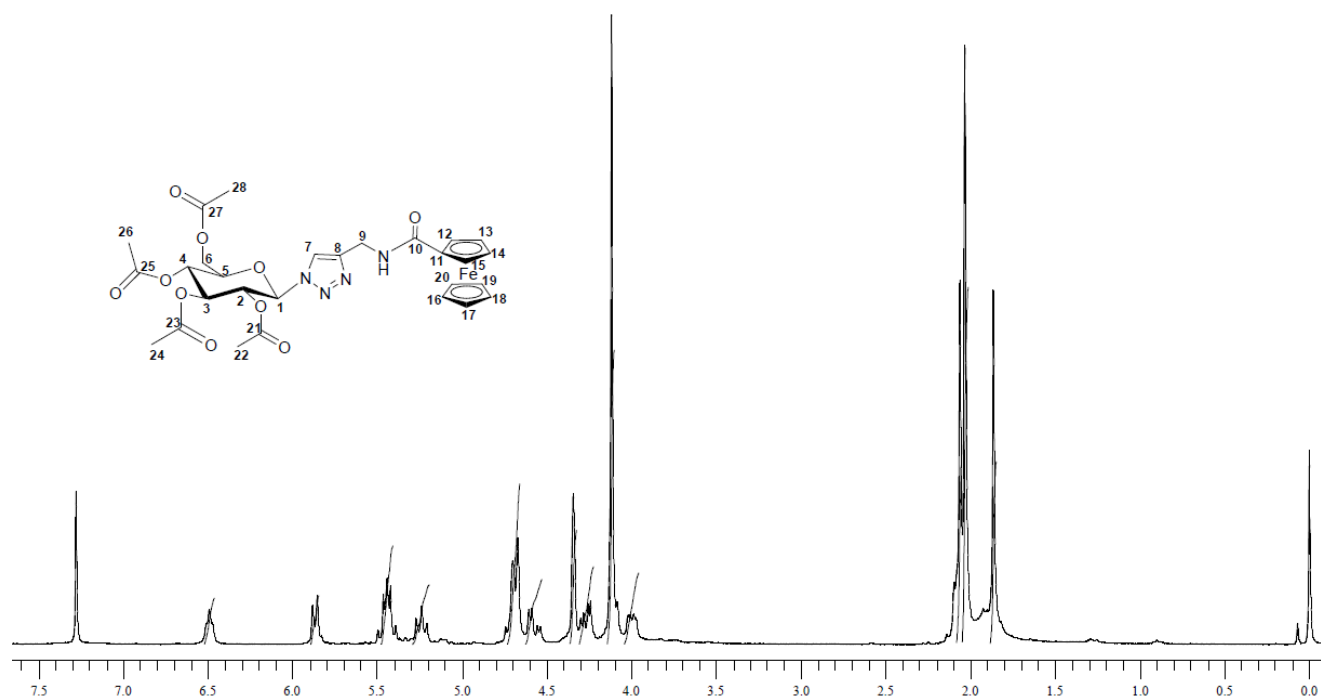


Figure S12: ^{13}C NMR spectra of **3f**

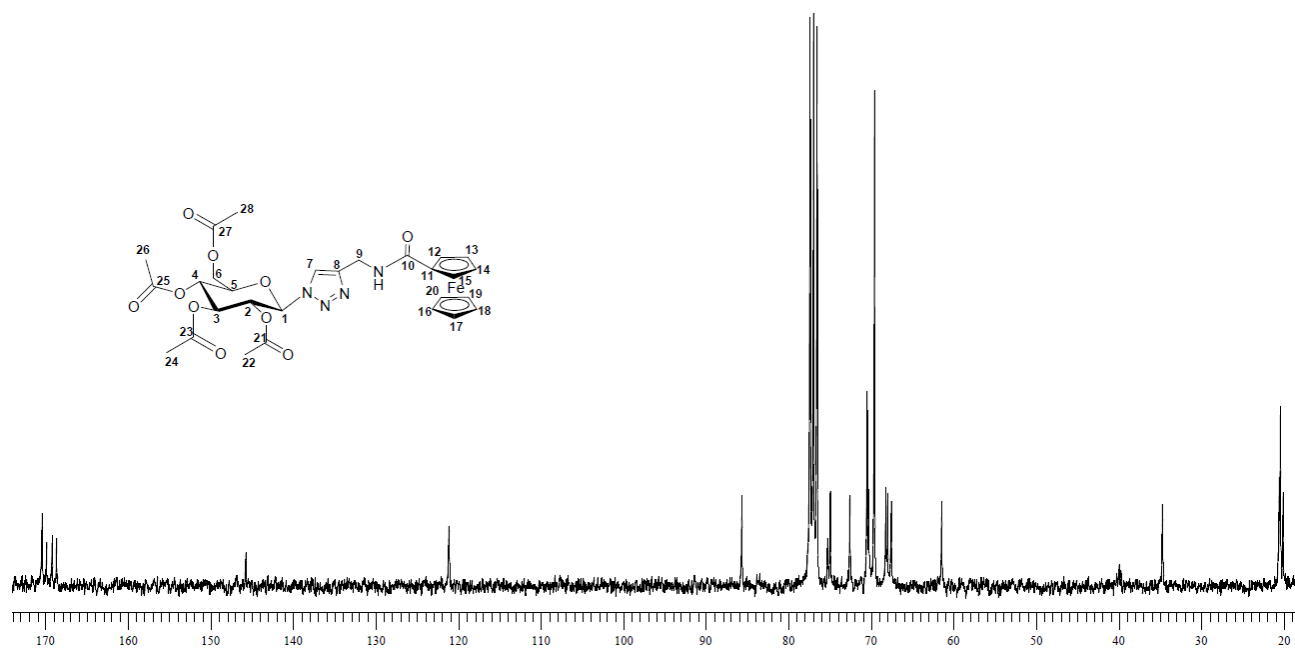


Figure S13: ^1H NMR spectra of **3g**

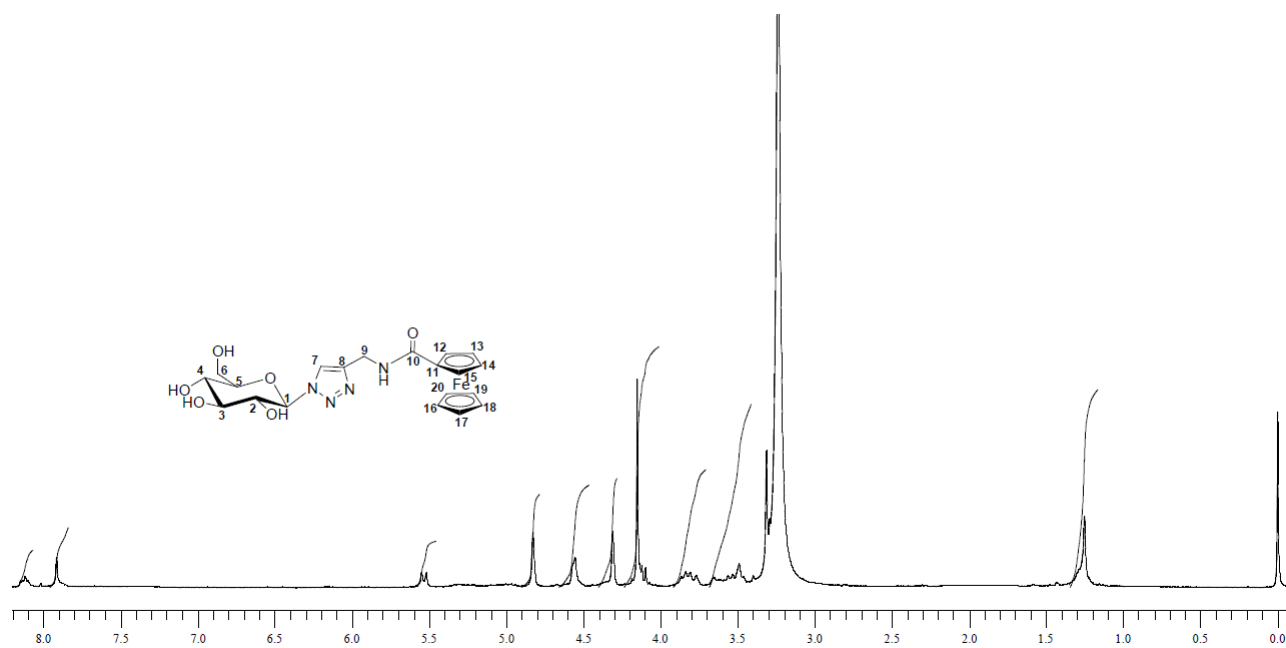
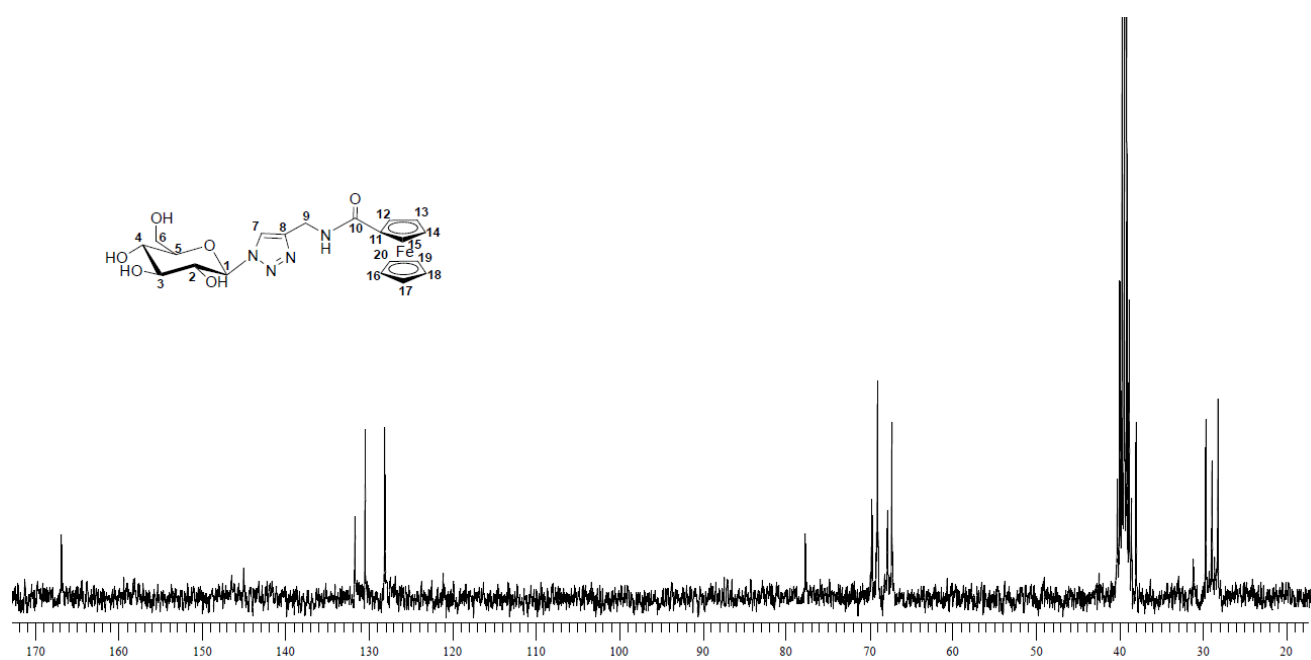


Figure S14: ^{13}C NMR spectra of **3g**



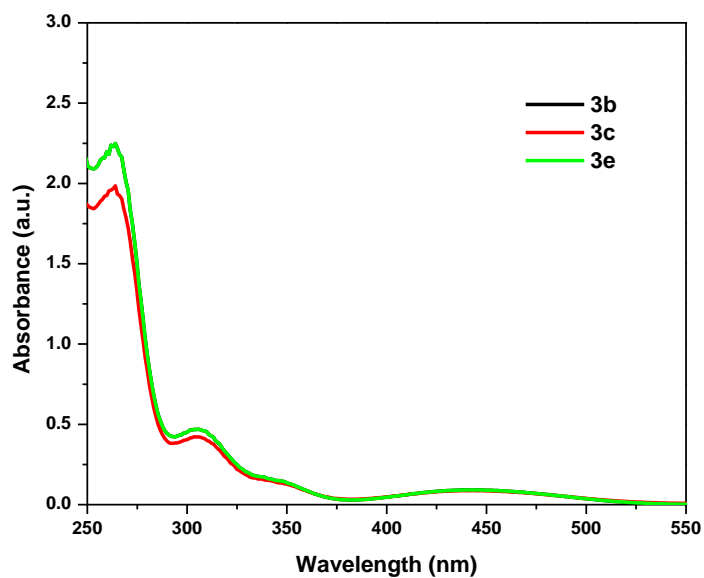


Figure S15. UV-Vis spectra of ferrocene conjugates **3b**, **3c**, **3e** in 0.5mM methanol solutions

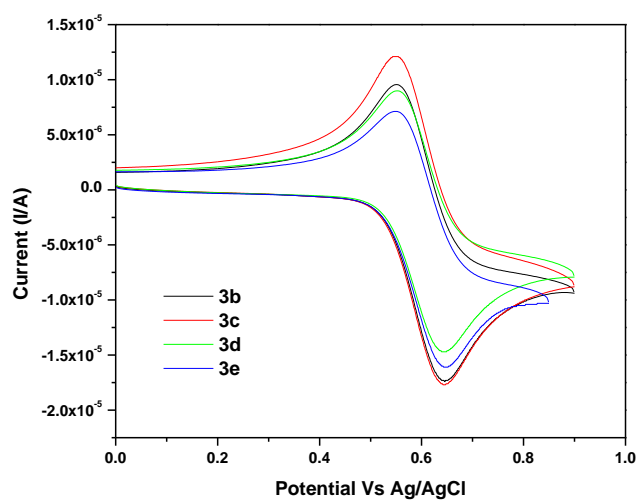


Figure S16. Cyclic voltammograms of ferrocene conjugates **3b**, **3c**, **3d** and **3e** in 1.0 mM methanol solution at 25 °C

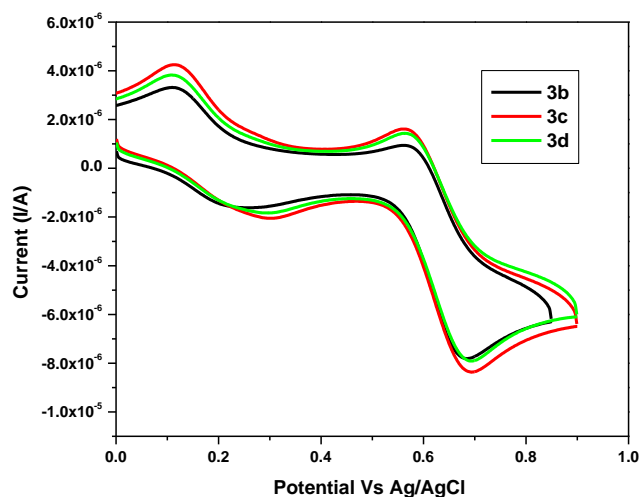


Figure S17. Cyclic voltammograms of ferrocene conjugates **3b**, **3c** and **3d** in 1.0 mM DMSO solution at 25 °C

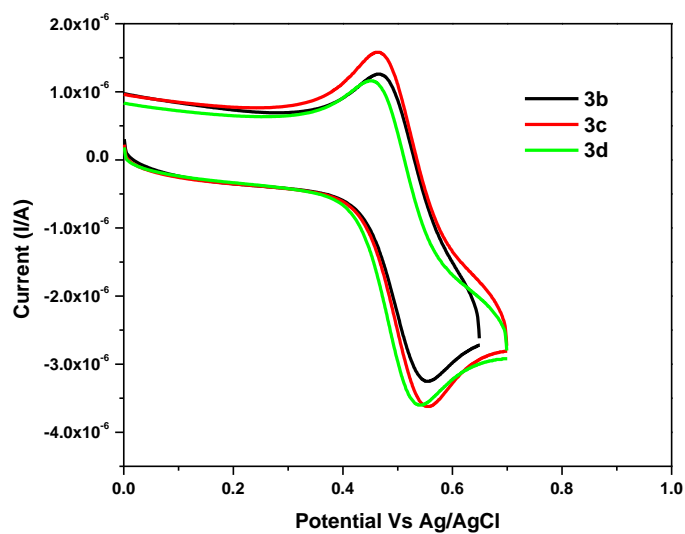


Figure S18. Cyclic voltammograms of ferrocene conjugates **3b**, **3c** and **3d** in 1.0 mM DMSO solution containing 0.1 M phosphate buffer (pH = 7.4) at 25 °C.

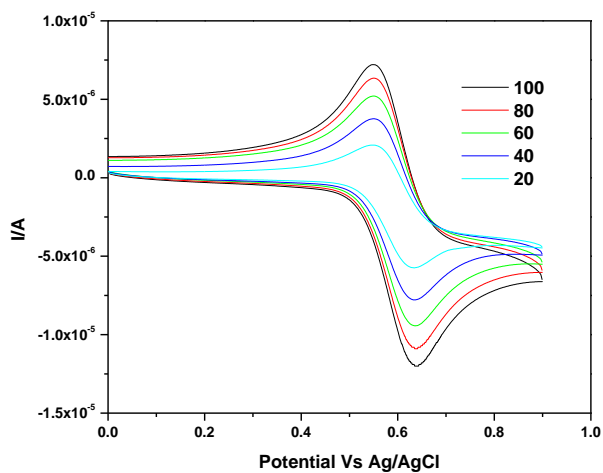


Figure S19. Cyclic voltammograms of **3a** in 1.0 mM methanol solution at different scan rates at 25 °C

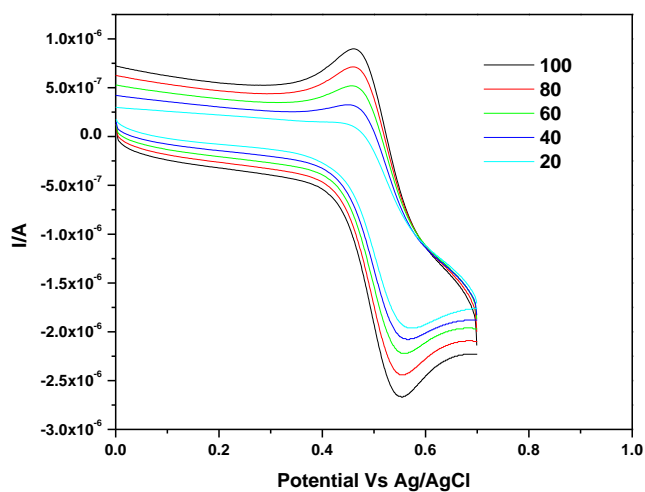


Figure S20. Cyclic voltammograms of **3a** in DMSO and phosphate buffer (1:1) solution at different scan rates at 25 °C

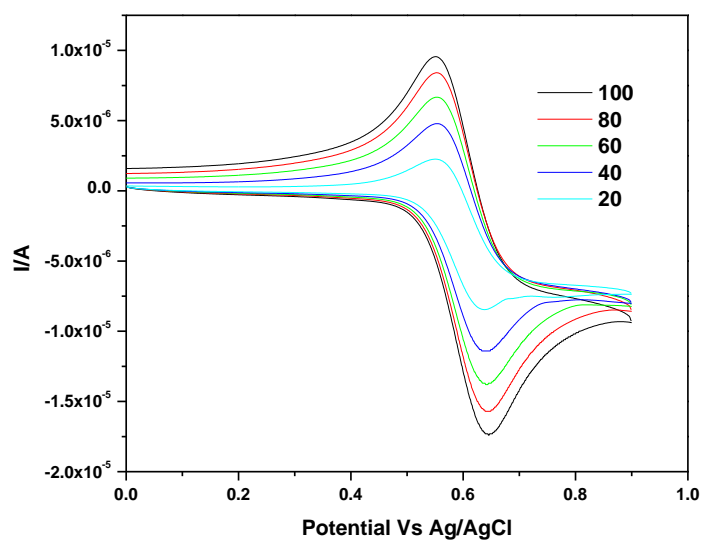


Figure S21. Cyclic voltammograms of **3b** in 1.0 mM methanol solution at different scan rates at 25 °C

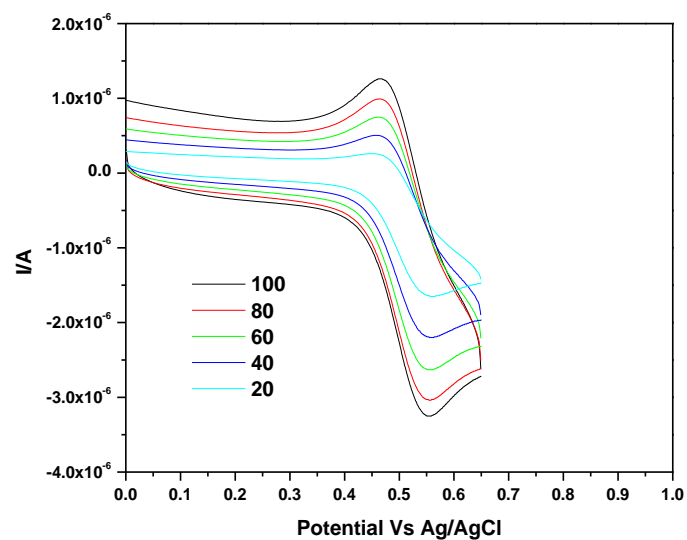


Figure S22. Cyclic voltammograms of **3b** in DMSO and phosphate buffer (1:1) solution at different scan rates at 25 °C

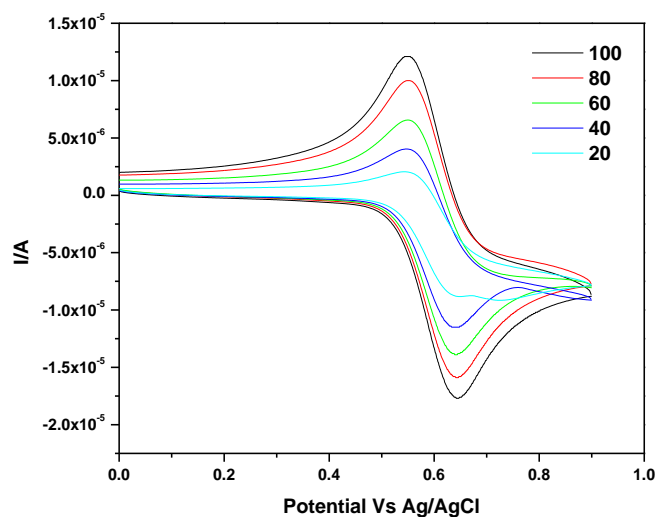


Figure S23. Cyclic voltammograms of **3c** in 1.0 mM methanol solution at different scan rates at 25 °C

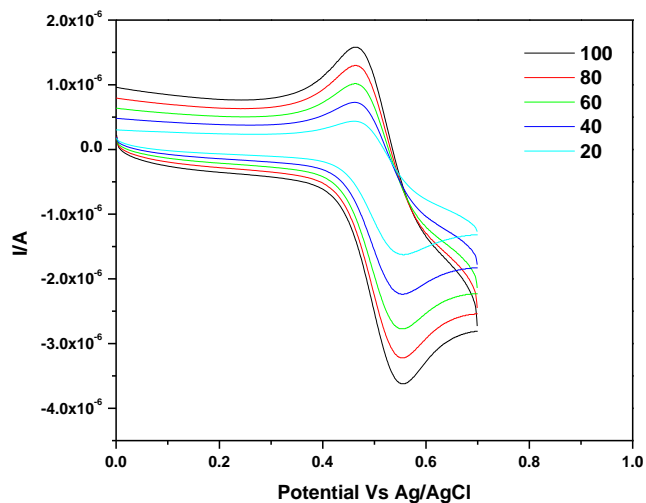


Figure S24. Cyclic voltammograms of **3c** in DMSO and phosphate buffer (1:1) solution at different scan rates at 25 °C

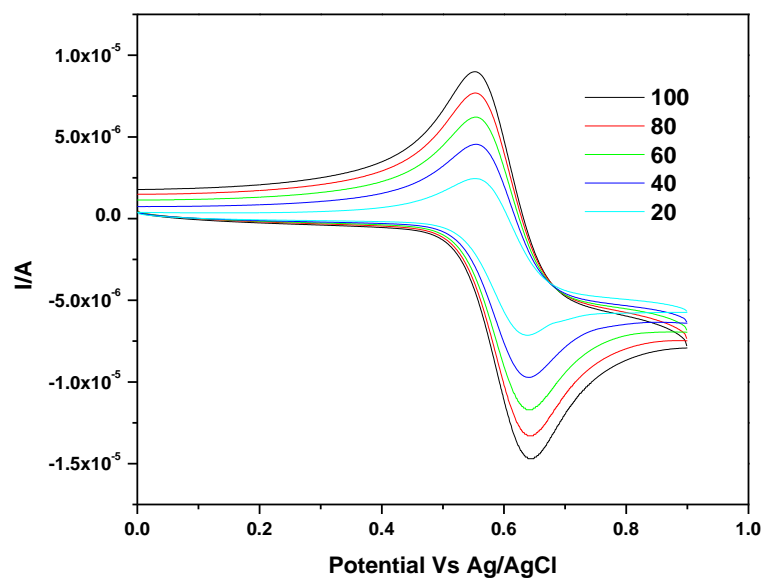


Figure S25. Cyclic voltammograms of **3d** in 1.0 mM methanol solution at different scan rates at 25 °C

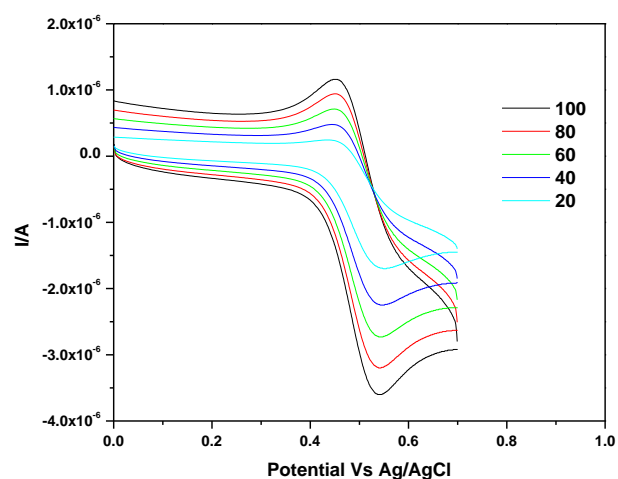


Figure S26. Cyclic voltammograms of **3d** in DMSO and phosphate buffer (1:1) solution at different scan rates at 25 °C

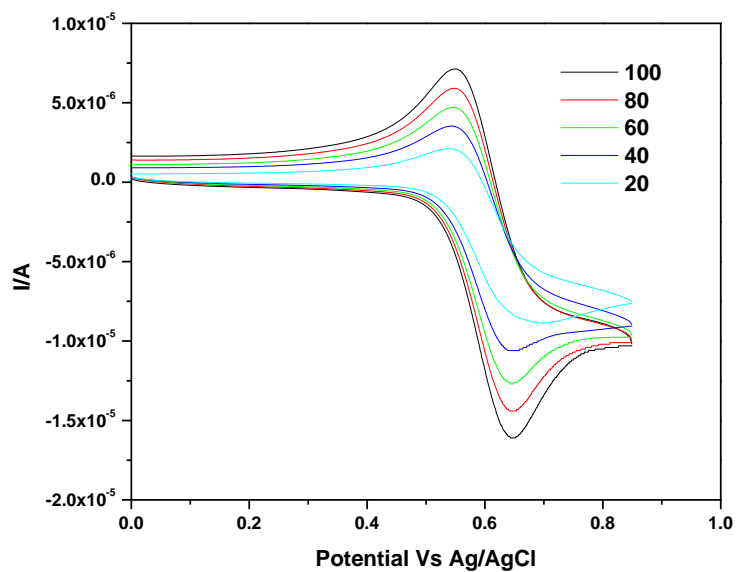


Figure S27. Cyclic voltammograms of **3e** in 1.0 mM methanol solution at different scan rates at 25 °C

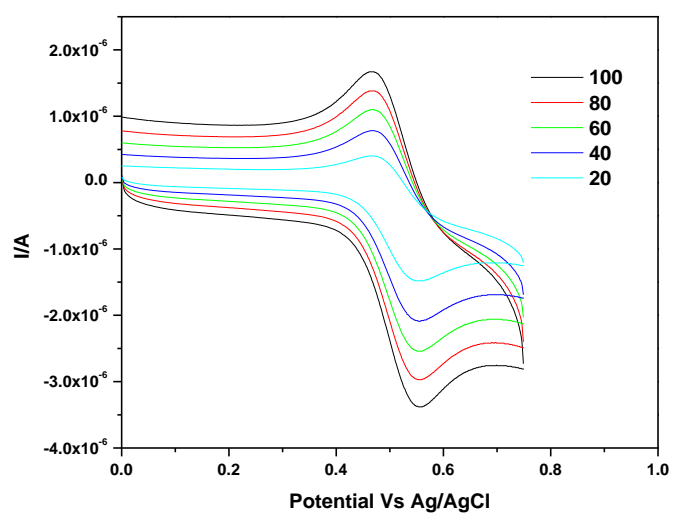


Figure S28. Cyclic voltammograms of **3e** in DMSO and phosphate buffer (1:1) solution at different scan rates at 25 °C

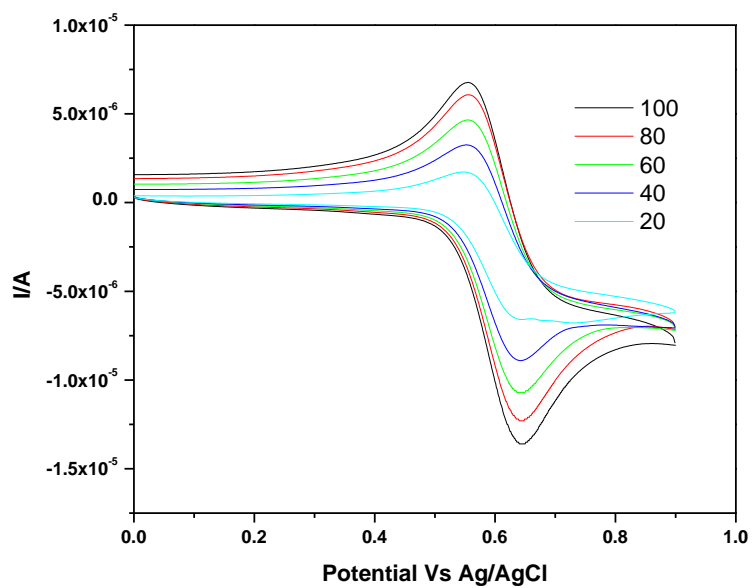


Figure S29. Cyclic voltammograms of **3f** in 1.0 mM methanol solution at different scan rates at 25 °C

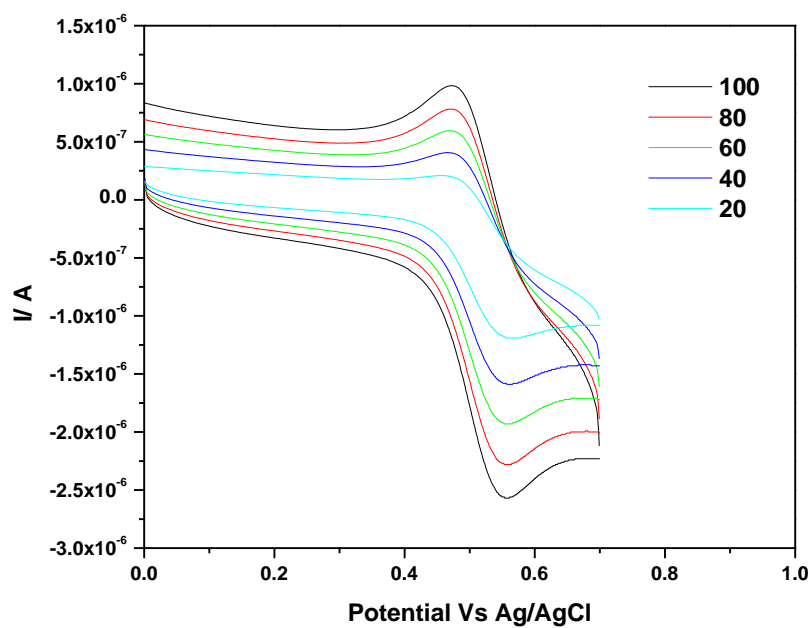


Figure S30. Cyclic voltammograms of **3f** in DMSO and phosphate buffer (1:1) solution at different scan rates at 25 °C

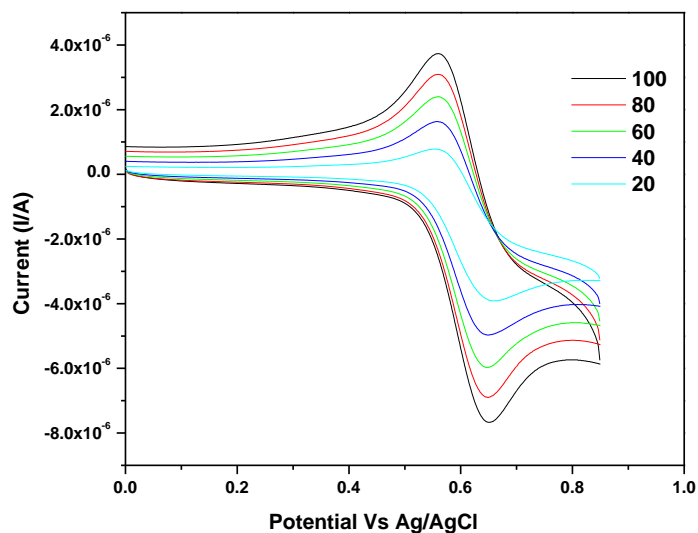


Figure S31. Cyclic voltammograms of **3g** in 0.5 mM methanol solution at different scan rates at 25 °C

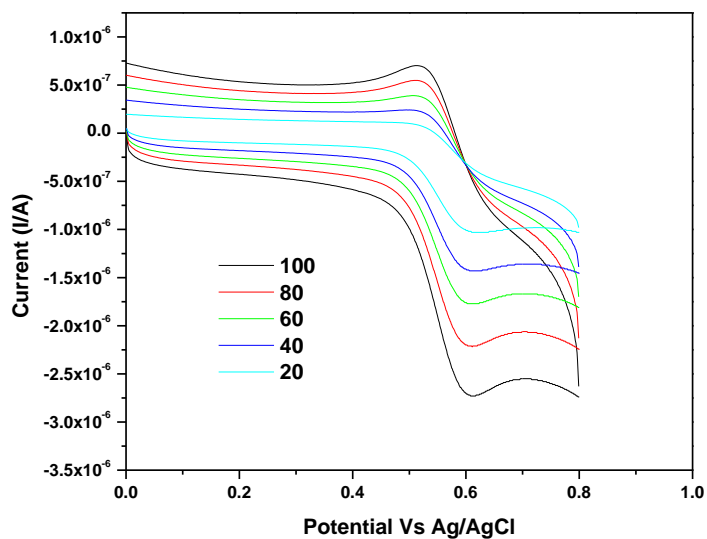


Figure S32. Cyclic voltammograms of **3g** in DMSO and phosphate buffer (1:1) solution at different scan rates at 25 °C