

Supplementary Information:

**Electrochemiluminescent
Peptide Nucleic Acid-like monomers containing
Ru(II)-dipyridoquinoxaline and
Ru(II)-dipyridophenazine complexes**

*Tanmaya Joshi,^a Gregory J. Barbante,^b Paul S. Francis,^b Conor F. Hogan,^c Alan M. Bond^a
and Leone Spiccia^{a*}*

^{a)} ARC Centre of Excellence for Electromaterials Science and School of Chemistry, Monash University, Clayton, Victoria 3800, Australia

^{b)} School of Life and Environmental Sciences, Deakin University, Geelong, Victoria, 3217, Australia.

^{c)} Department of Chemistry, La Trobe Institute for Molecular Science, La Trobe University, Victoria, 3086, Australia.

**RECEIVED DATE (to be automatically inserted after your manuscript is accepted if
required according to the journal that you are submitting your paper to)**

* Corresponding author. Email: Leone.Spiccia@monash.edu Fax : +61 3 9905 4597.

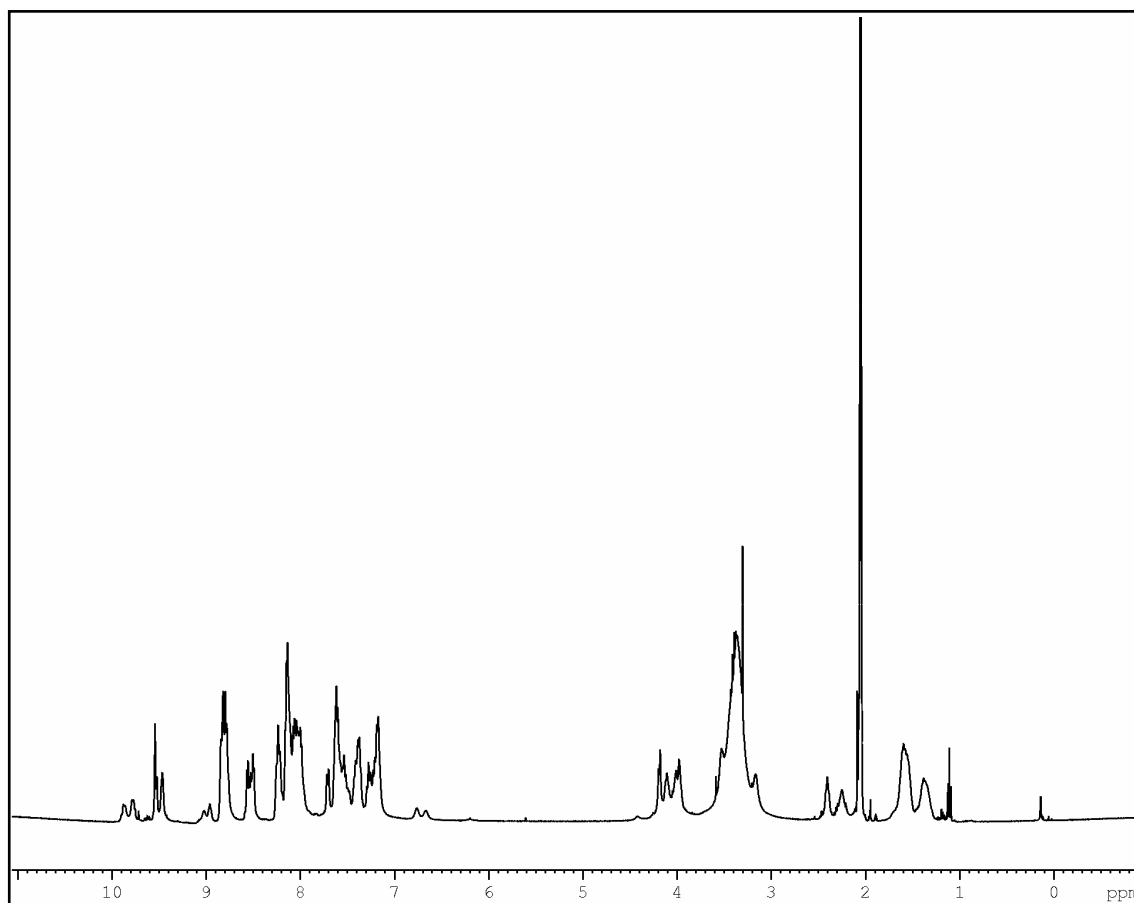


Figure S1: ^1H NMR spectrum of $[\text{Ru}(\text{bpy})_2(\text{dpq-L-PNA-OH})](\text{PF}_6)_2$ (M1) in d_6 -acetone.

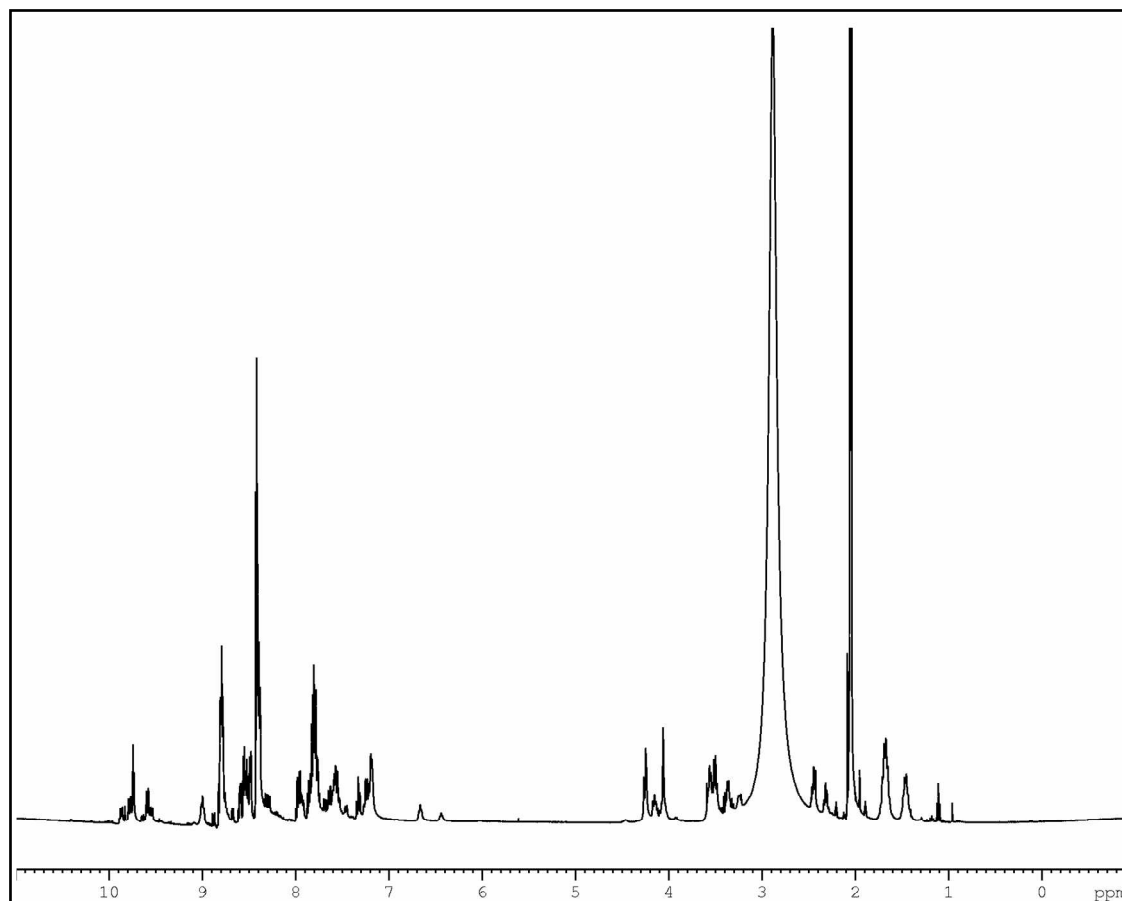


Figure S2: ^1H NMR spectrum of $[\text{Ru}(\text{phen})_2(\text{dpq-L-PNA-OH})](\text{PF}_6)_2$ (M2) in d_6 -acetone.

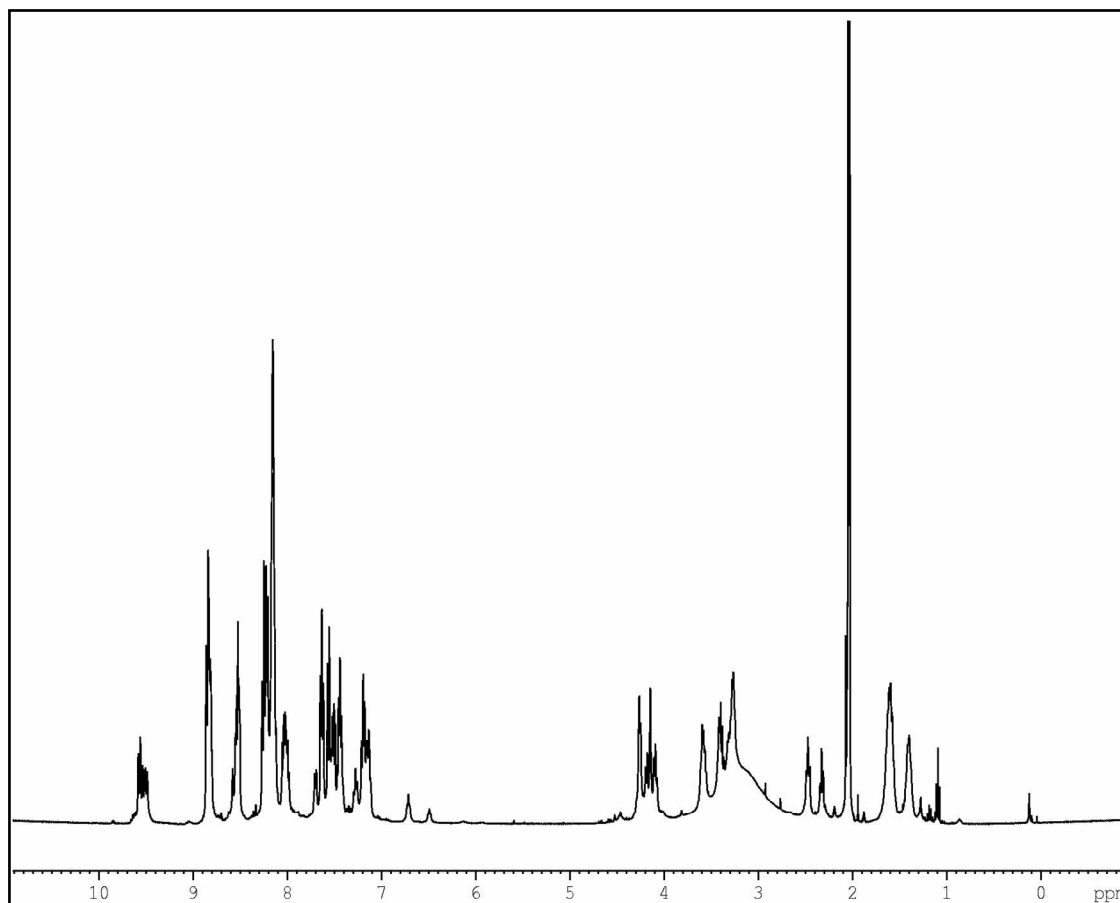


Figure S3: ^1H NMR spectrum of $[\text{Ru}(\text{bpy})_2(\text{dppz-L-PNA-OH})](\text{PF}_6)_2$ (M3) measured in d_6 -acetone.

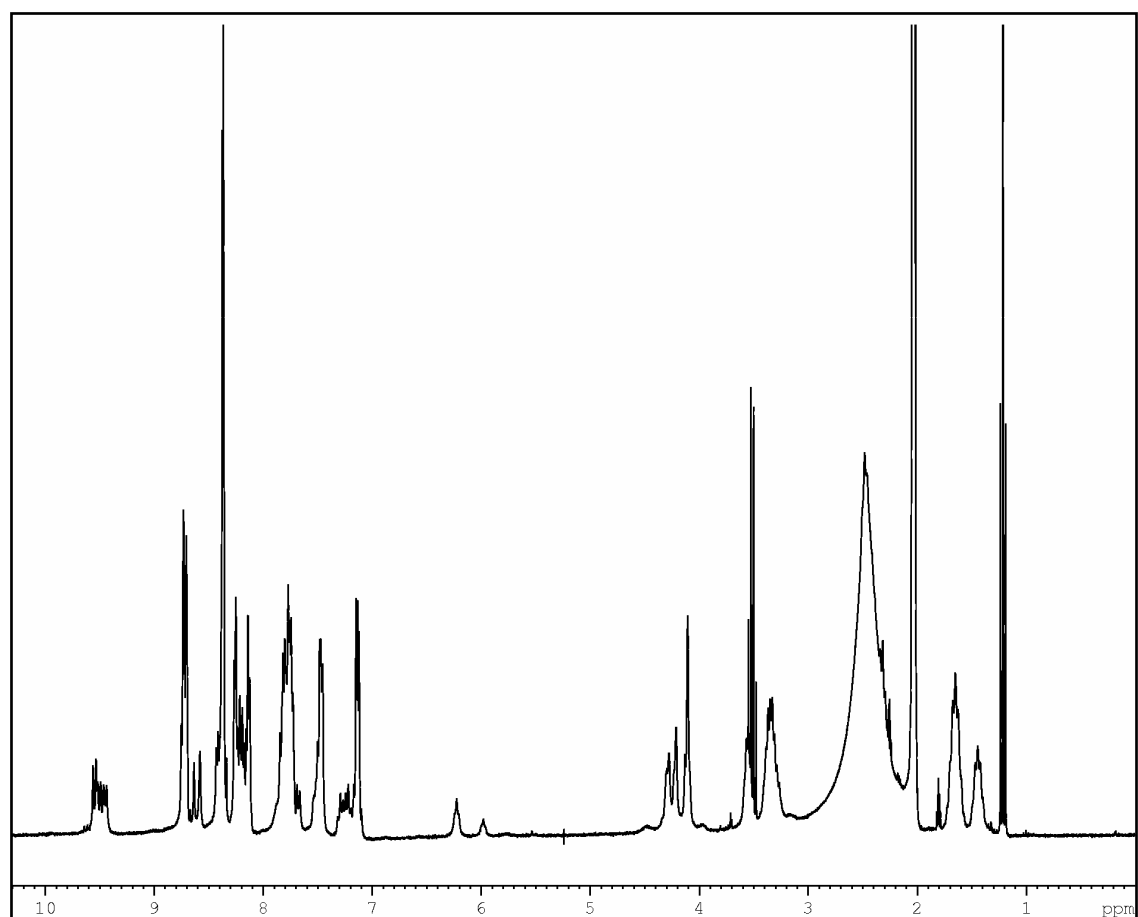


Figure S4: ^1H NMR spectrum of $[\text{Ru}(\text{phen})_2(\text{dppz-L-PNA-OH})](\text{PF}_6)_2$ (M4) in CD_3CN .

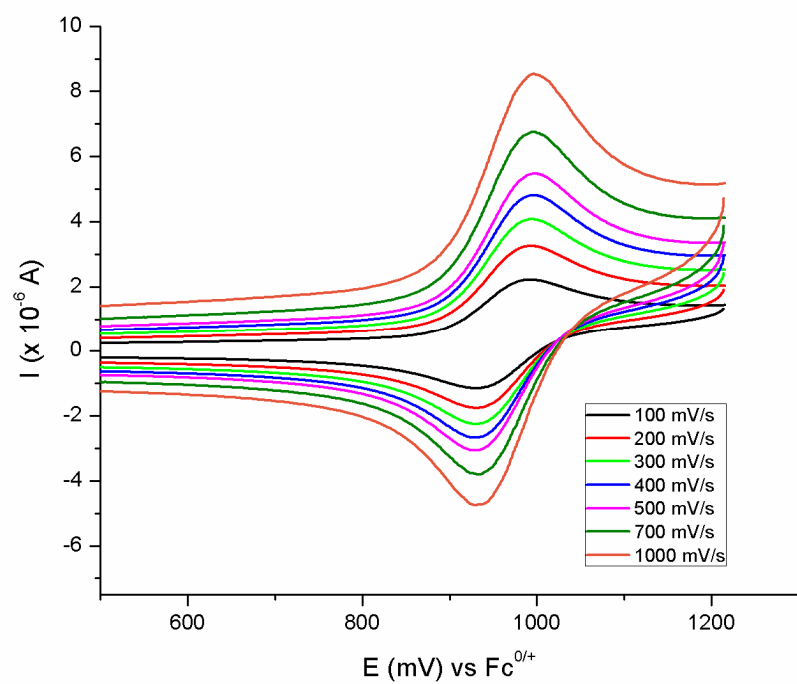


Figure S5. Cyclic voltammograms obtained at a glassy carbon electrode for oxidation of 1 mM **M1** in CH_3CN (0.1 M nBu_4PF_6) as a function of scan rate.

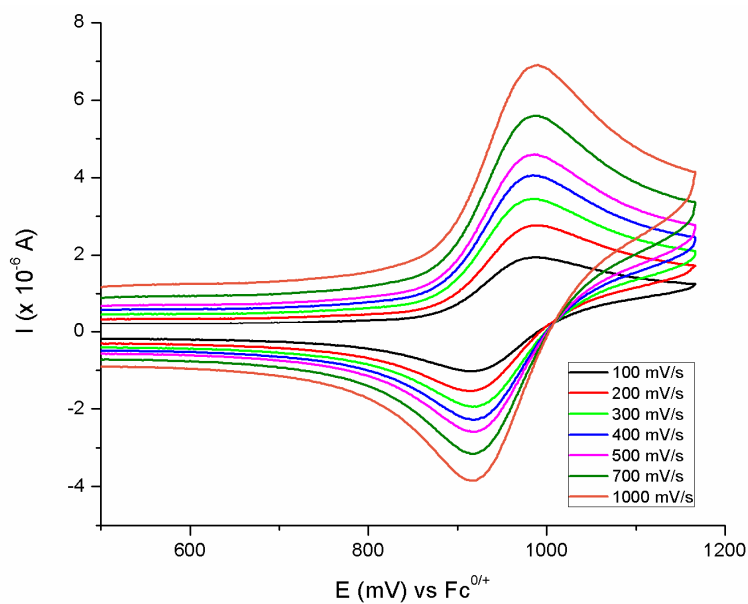


Figure S6. Cyclic voltammograms obtained at a glassy carbon electrode for oxidation of 1 mM **M2** in CH_3CN (0.1 M nBu_4PF_6) as a function of scan rate.

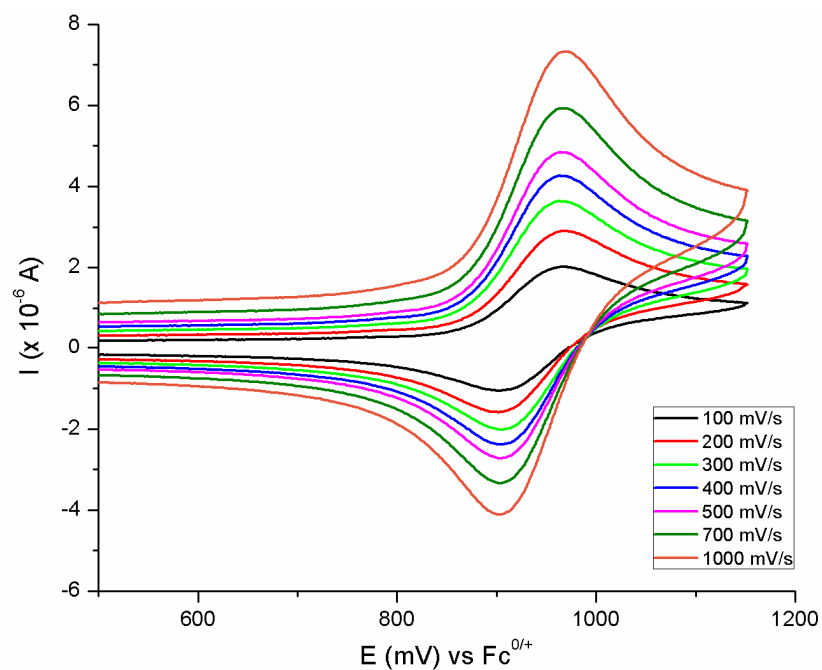


Figure S7. Cyclic voltammograms obtained at a glassy carbon electrode for oxidation of 1 mM **M3** in CH₃CN (0.1 M nBu₄PF₆) as a function of scan rate.

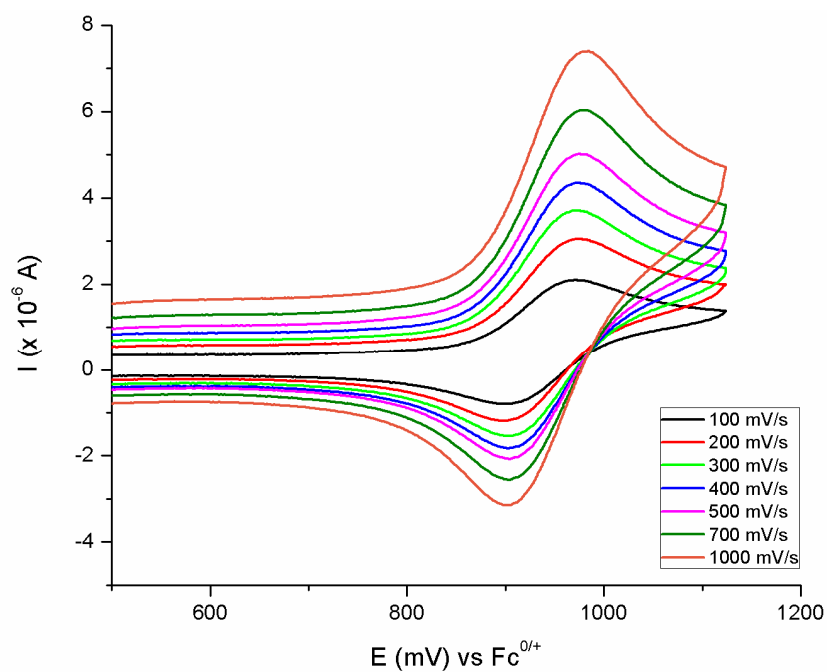


Figure S8. Cyclic voltammograms obtained at a glassy carbon electrode for oxidation of 1 mM **M4** in CH₃CN (0.1 M nBu₄PF₆) as a function of scan rate.