

Supporting Information to

New Dyads using (Metallo)porphyrins as Ancillary Ligand in Polypyridine Ruthenium Complexes. Synthesis and Electronic properties

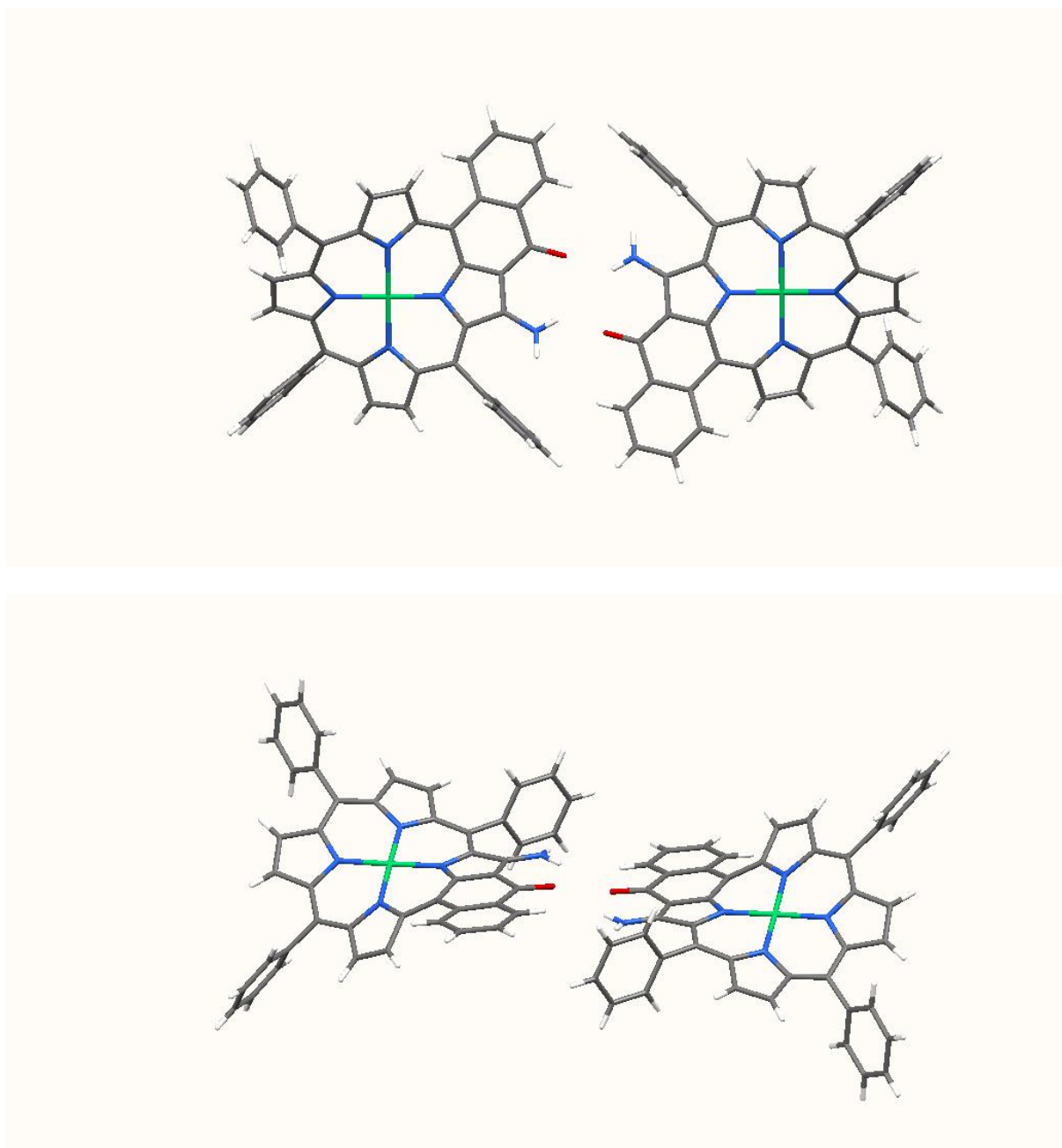
By

Fabien Lachaud,^a Christophe Jeandon,^b Antonio Monari,^c Xavier Assfeld,^c Marc Beley,^a Romain Ruppert^{*b} and Philippe C. Gros^{*a}

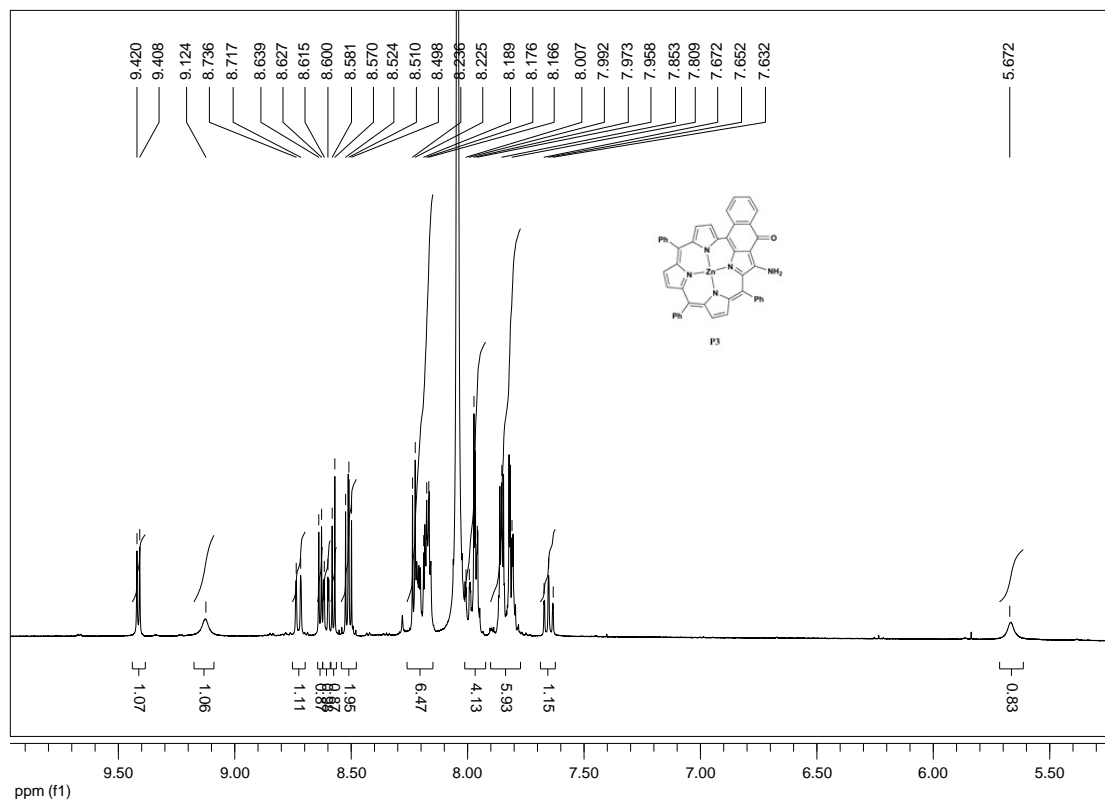
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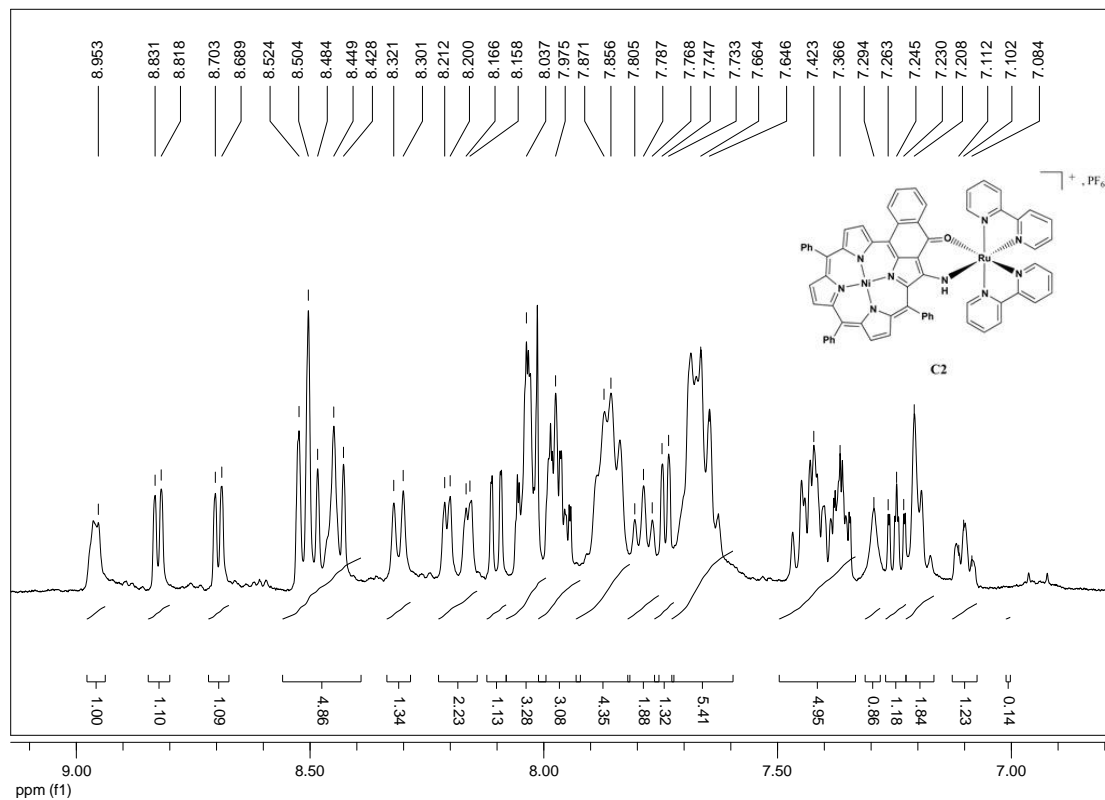
X-Ray structures of P2 showing intermolecular hydrogen bonding between NH₂ and oxygen of the enaminoketone moieties



^1H NMR (400MHz, DMF- d_7) of porphyrin **P3**



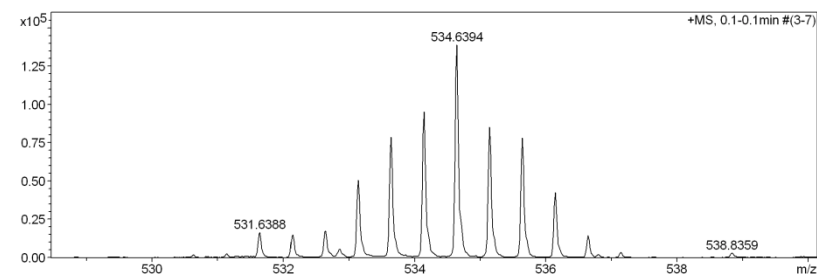
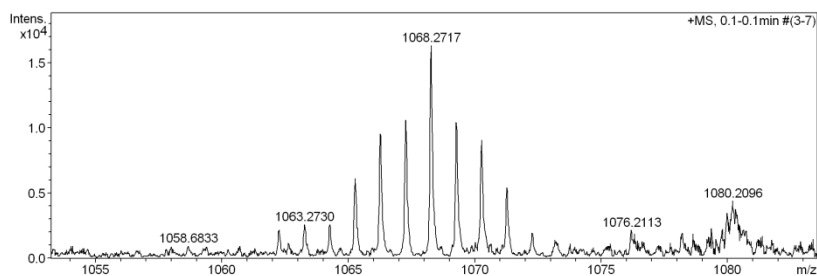
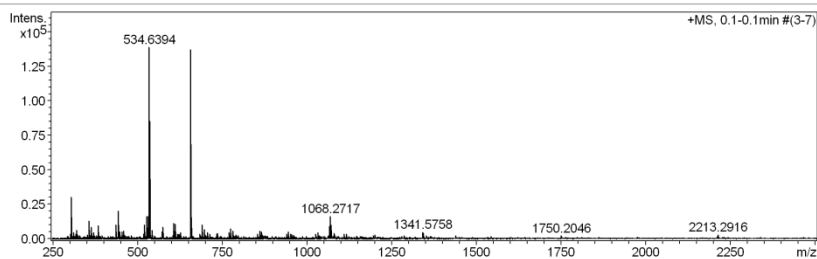
^1H NMR (400MHz, CD_3CN) of porphyrin **C2**



HR mass spectrum of C1

Acquisition Parameter

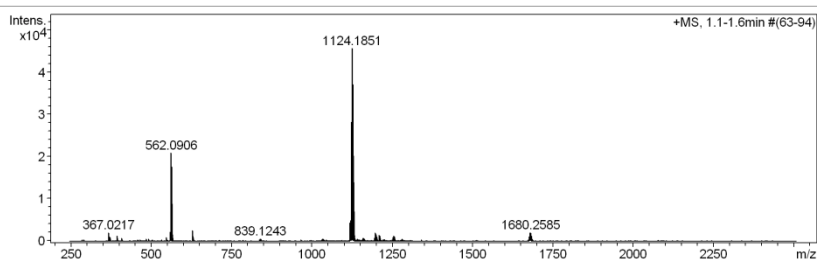
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Scan Begin	250 m/z	Set End Plate Offset	-500 V	Set Dry Gas	4.0 l/min
Scan End	2500 m/z	Set Collision Cell RF	600.0 Vpp	Set Divert Valve	Source



HR mass spectrum of C2

Acquisition Parameter

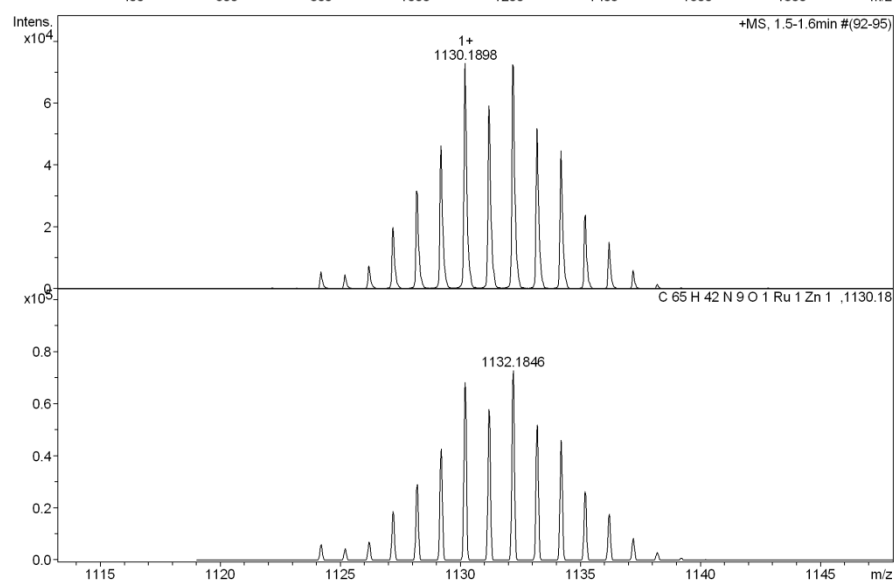
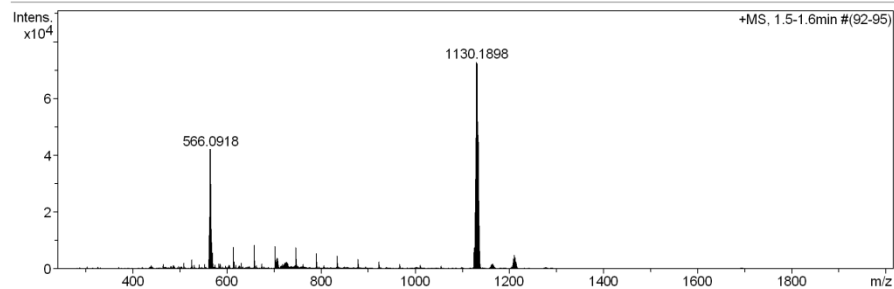
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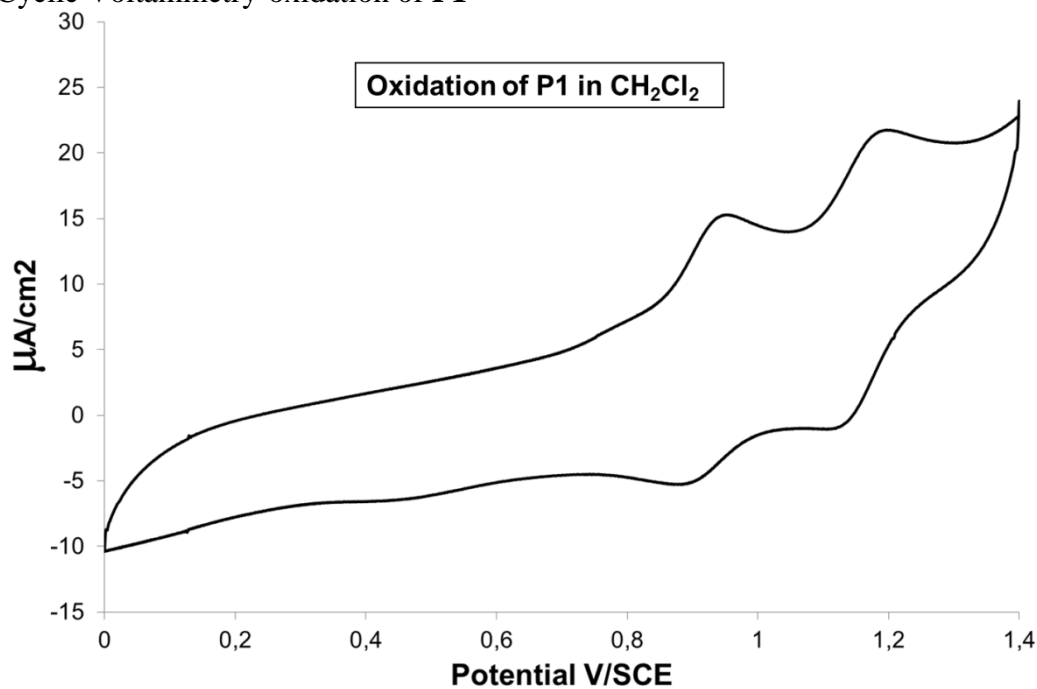
HR mass spectrum of C3

Acquisition Parameter

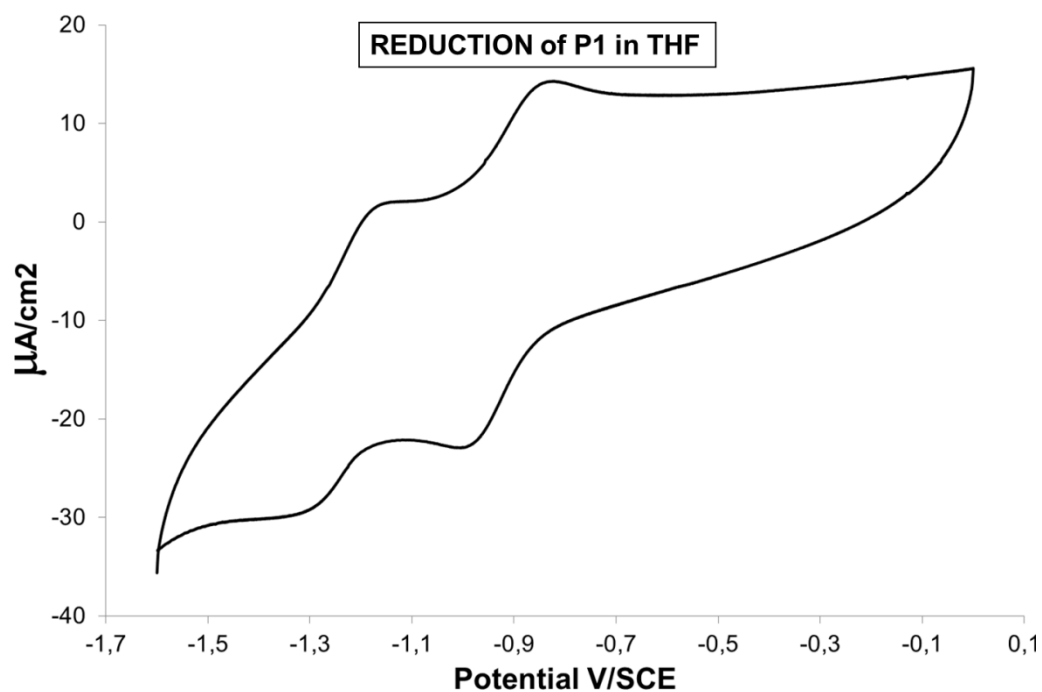
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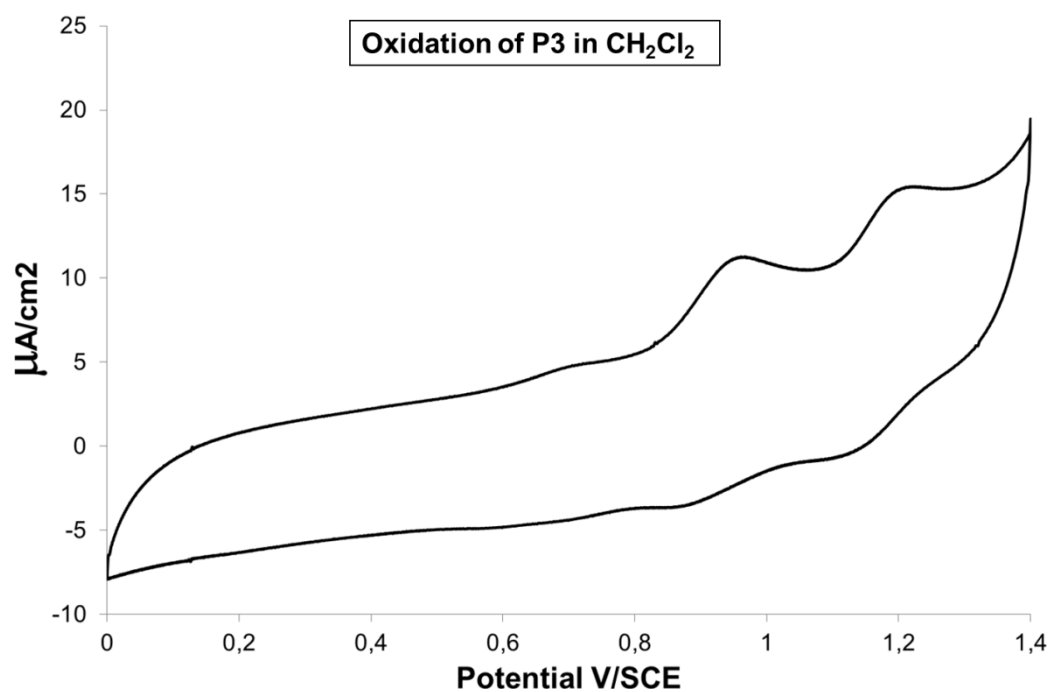
Cyclic Voltammetry-oxidation of P1



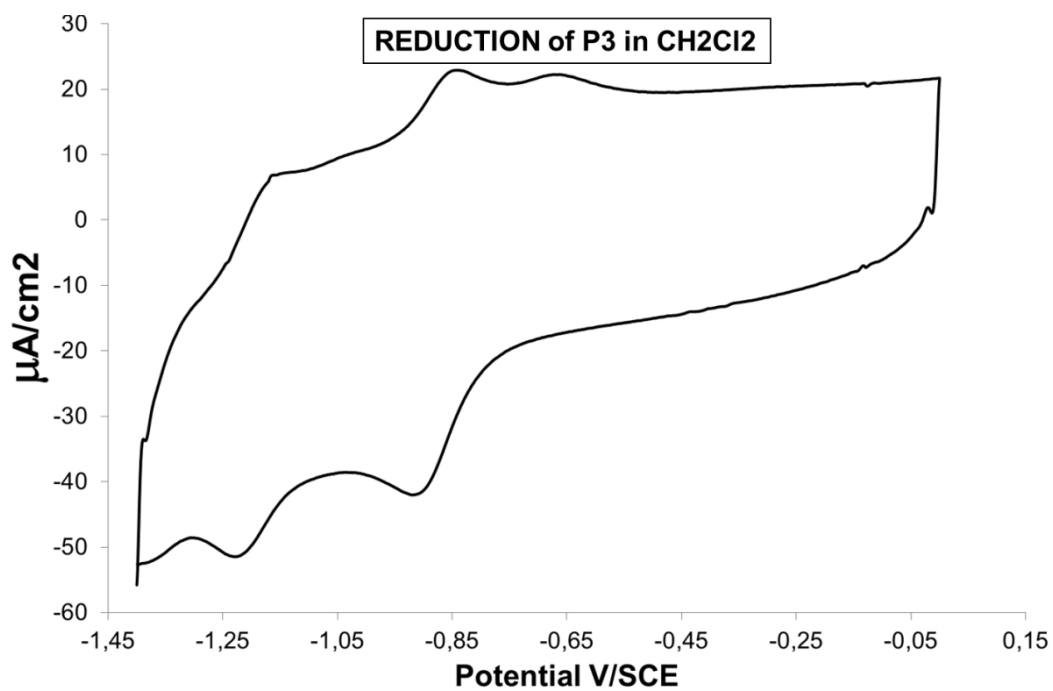
Cyclic Voltammetry-reduction of **P1**



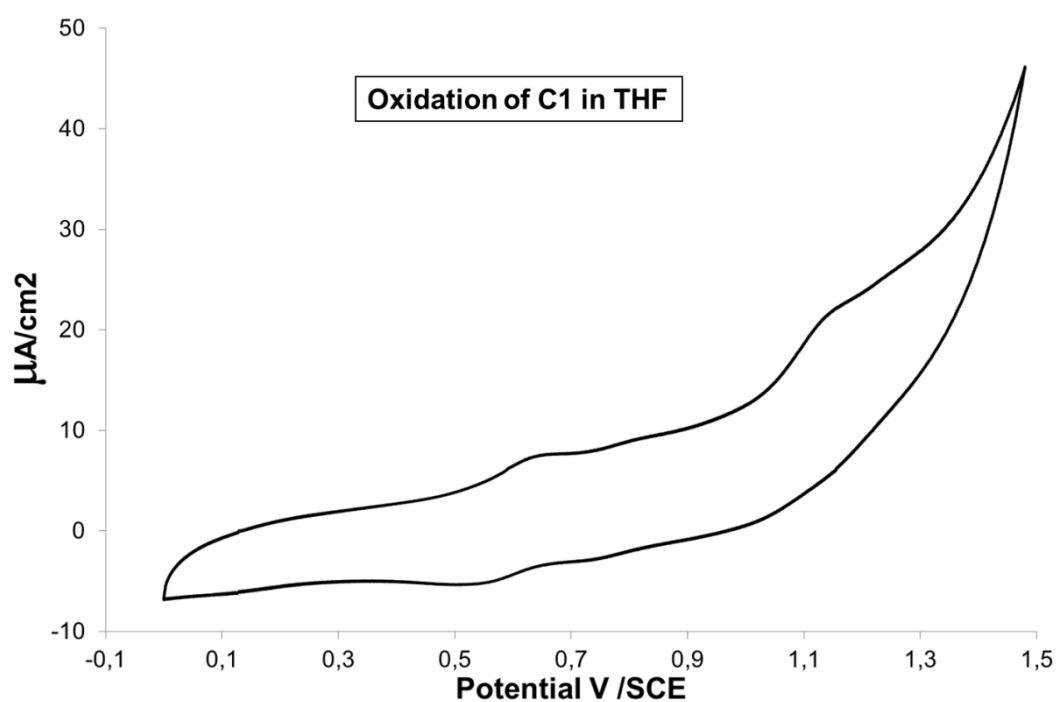
Cyclic Voltammetry-oxidation of **P3**



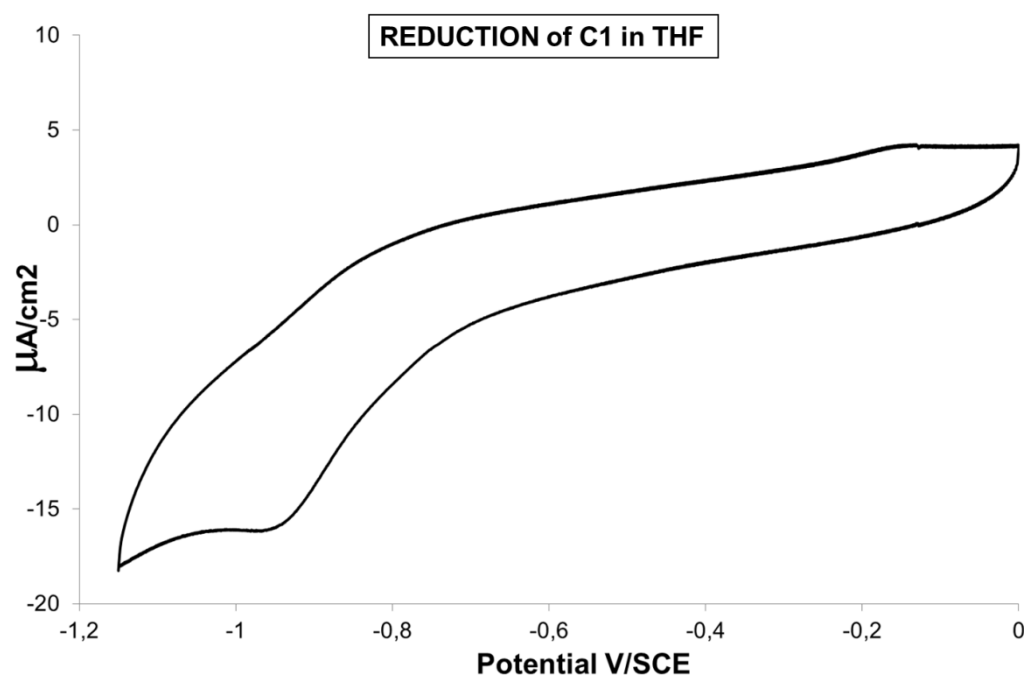
Cyclic Voltammetry-reduction of P3



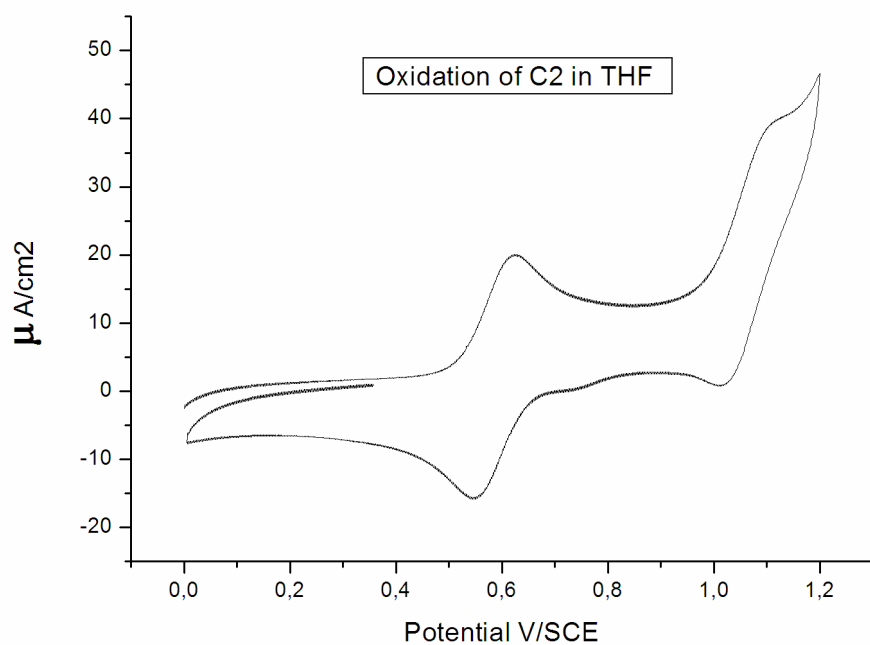
Cyclic Voltammetry-oxidation of C1



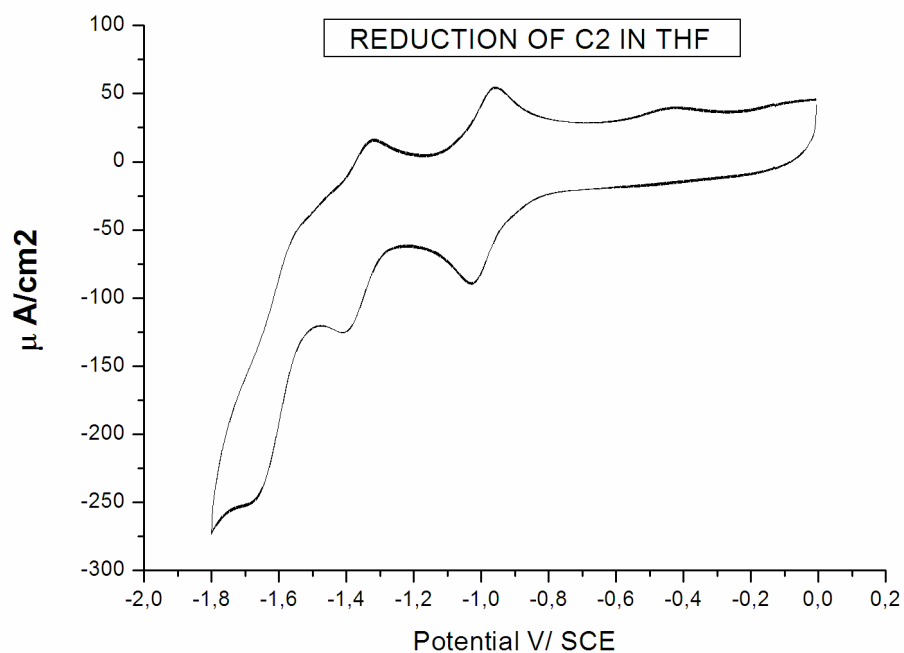
Cyclic Voltammetry-reduction of C1



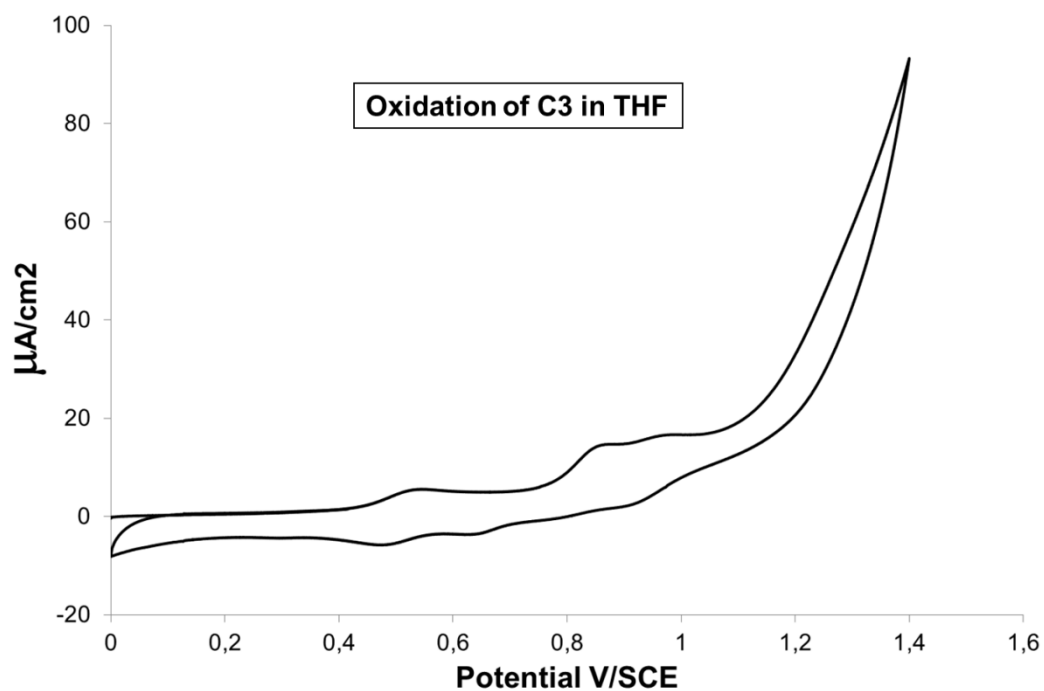
Cyclic Voltammetry-oxidation of C2



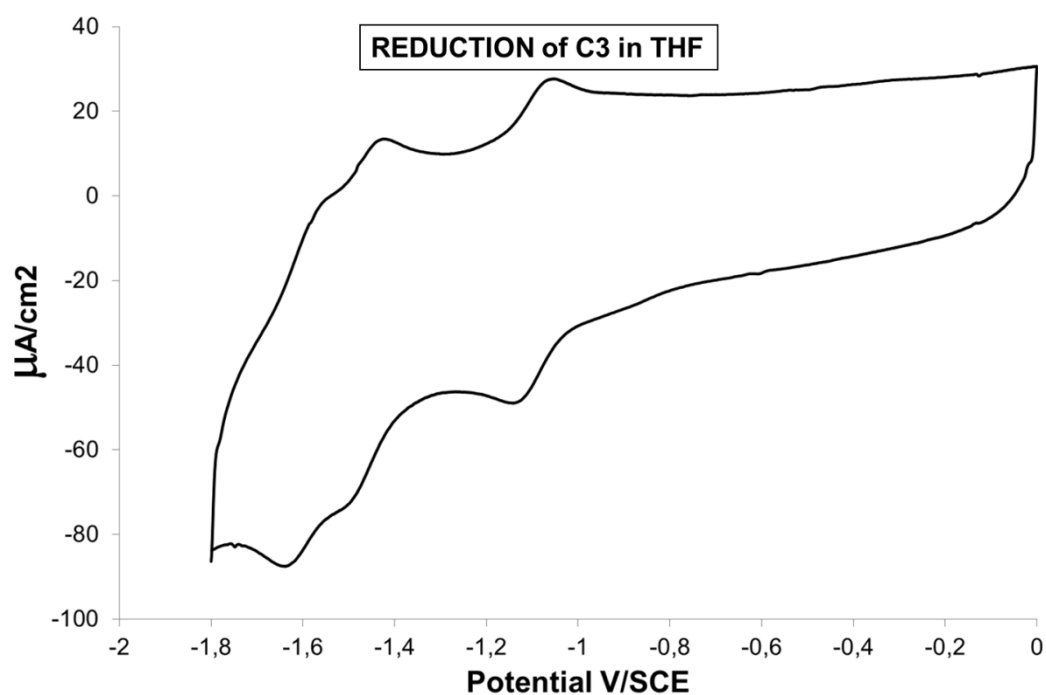
Cyclic Voltammetry-reduction of C2



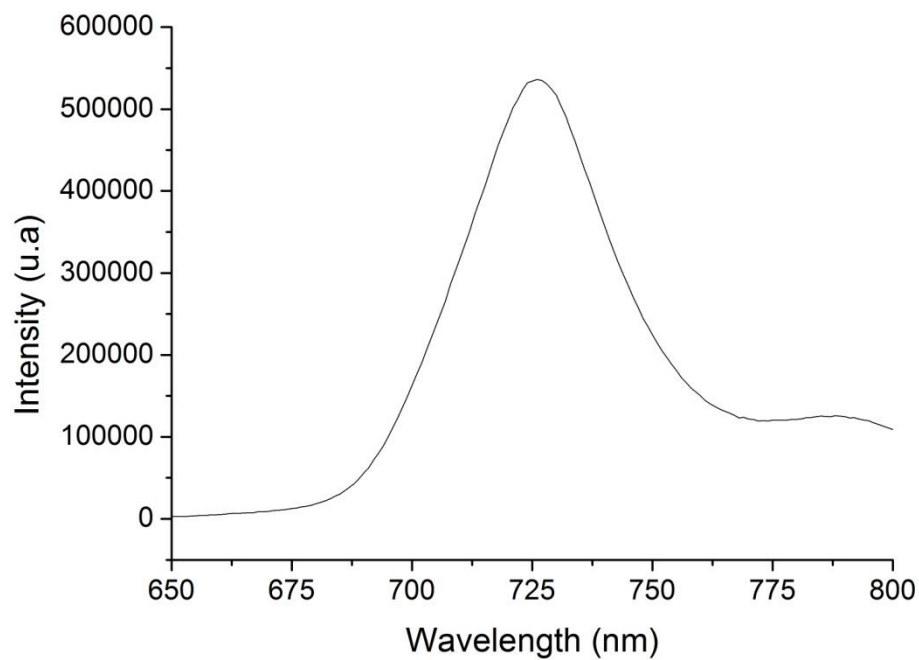
Cyclic Voltammetry-oxidation of C3



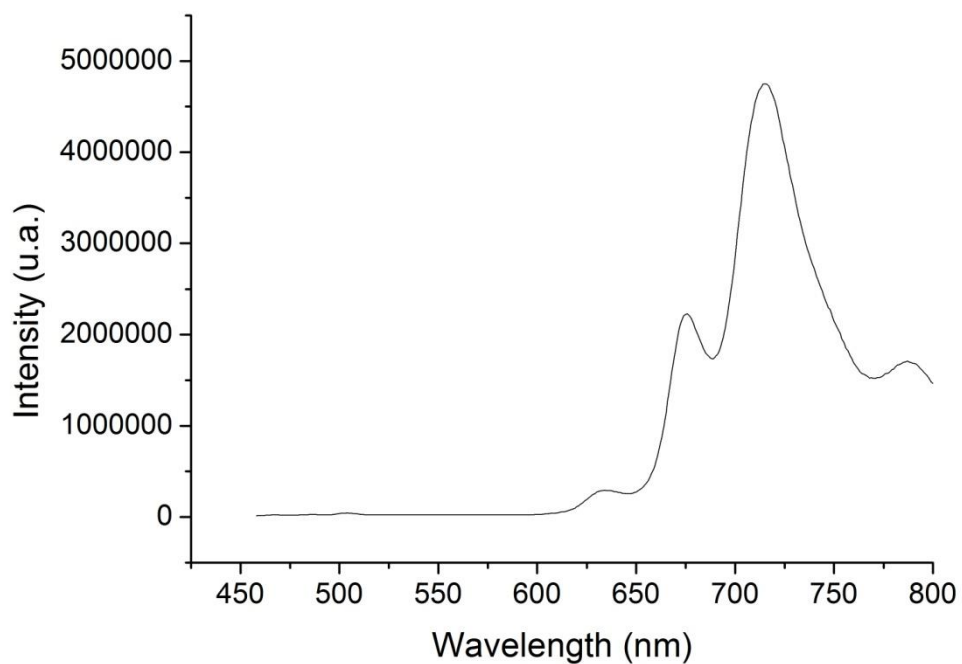
Cyclic Voltammetry-reduction of C3



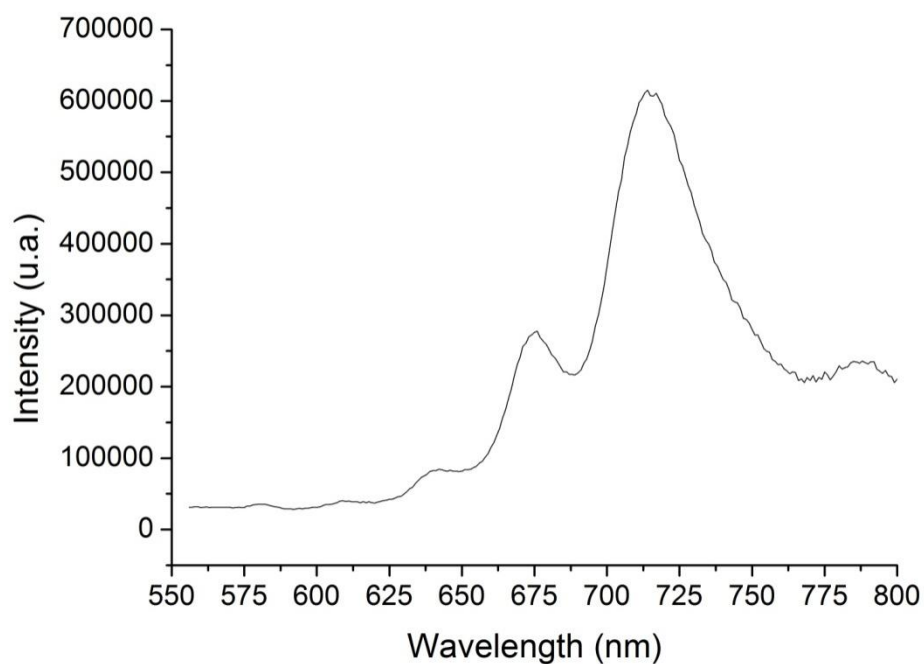
Emission spectrum of P1 in CH₂Cl₂ ($\lambda_{\text{exc}} = 485\text{nm}$)



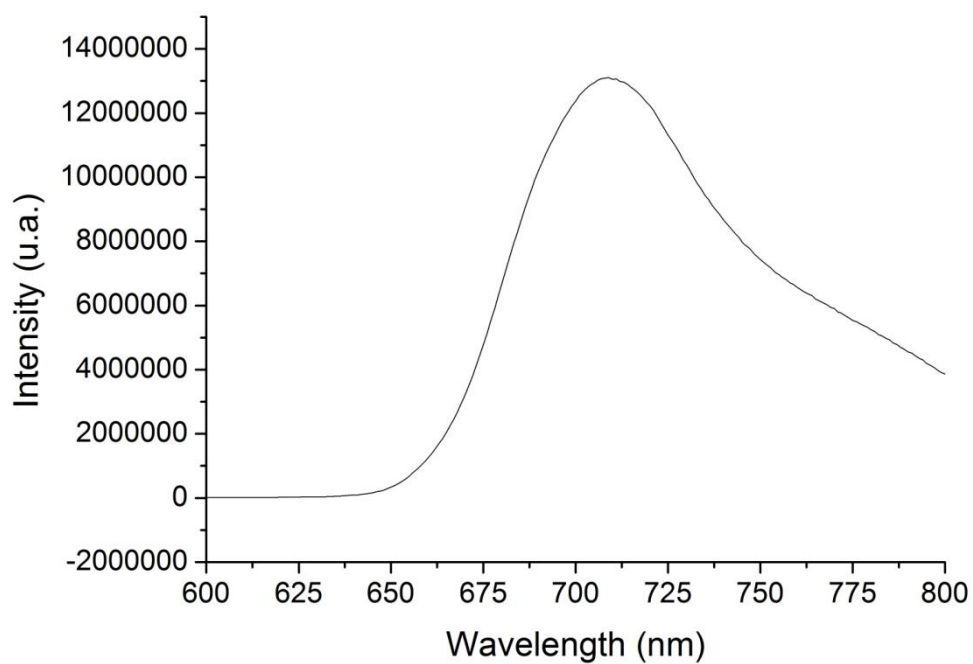
Emission spectrum of C1 in CH₃CN ($\lambda_{exc}=438\text{nm}$)



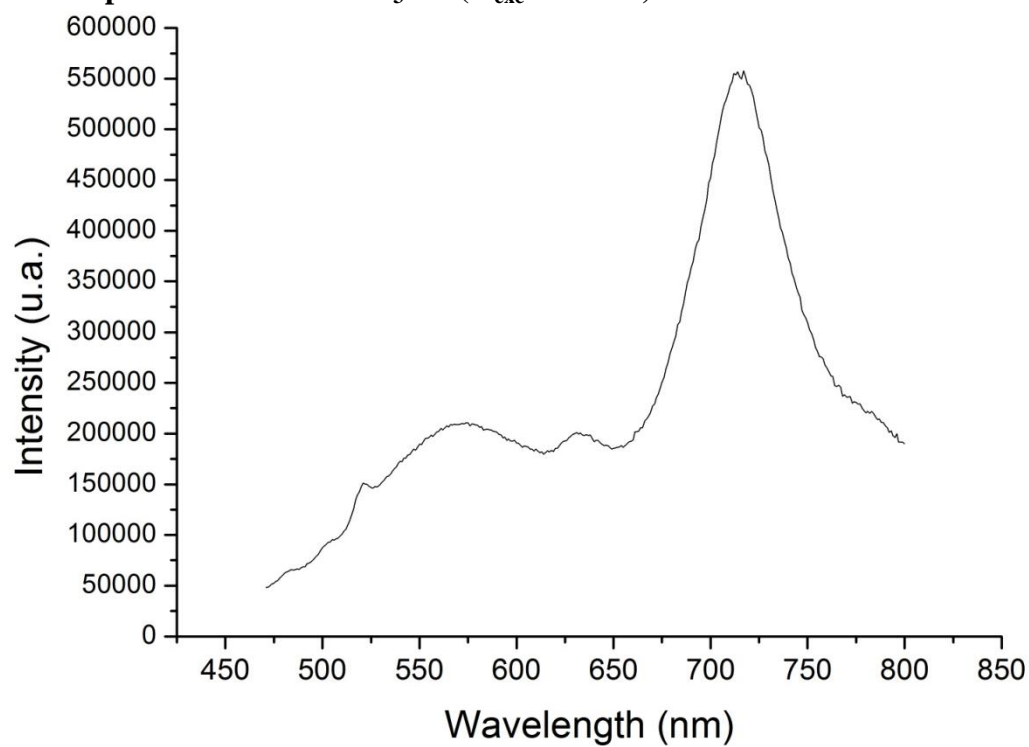
Emission spectrum of C1 in CH₃CN ($\lambda_{exc}=536\text{nm}$)



Emission spectrum of P3 in CH₂Cl₂ (λ_{exc} = 470nm)



Emission spectrum of C3 in CH₃CN (λ_{exc} = 451nm)



Emission spectrum of C3 in CH₃CN ($\lambda_{exc}= 516\text{nm}$)

