

## Electronic Supplementary Information

### Exploring the redox reactivity of magnesium porphine. Insight into the origins of electropolymerisation

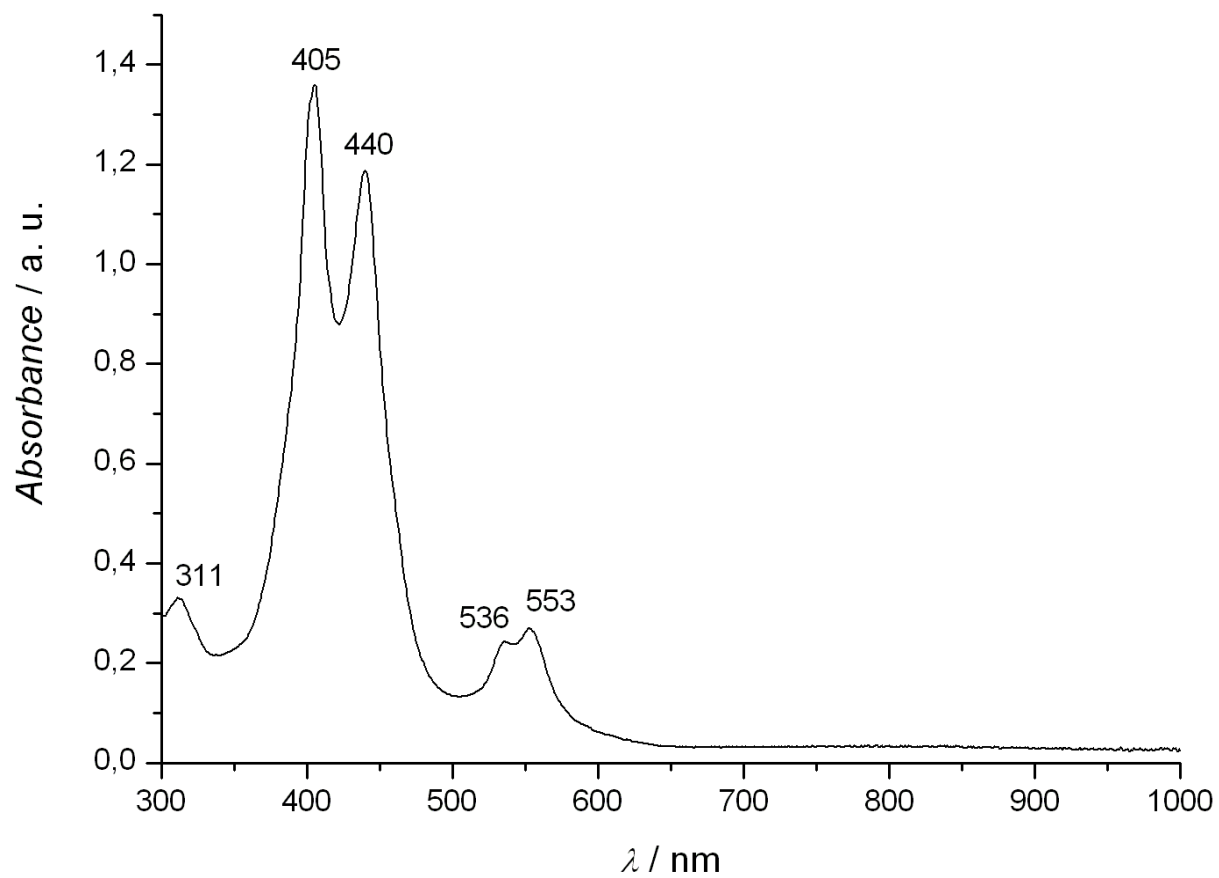
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During an attempt to isolate and characterise the different oligomers, we have isolated a small fraction of a yellow product, which seems to be pure according to TLC analysis. Its UV-visible spectrum (S1) is very similar to those described for *meso-meso* free-base and Zn porphyrin dimers. The Maldi-Tof spectrum (S2) of this fraction reveals a major peak corresponding to the (MgP)<sub>2</sub> dimers. Unluckily, the insufficient quantity of isolated product precluded any NMR analysis.

- S1:** UV-visible spectroscopy characterisation of (MgP)<sub>2</sub> dimer in dichloromethane
- S2:** Maldi-Tof mass spectrometry characterisation measured on the sample issued from the UV-visible analysis

**S1: UV-visible spectroscopy characterisation of (MgP)<sub>2</sub> dimer in dichloromethane**



**S2: Maldi-Tof mass spectrometry characterisation measured on the sample issued from the UV-visible analysis**

