Electronic Supplementary Information

**Figure ESI1** IR spectra (liquid film) of complex 10 in methanol-d4.

**Figure ESI2** $^1$H-NMR spectra (500 MHz) of complex 10 in methanol-d4.
**Figure ESI3:** $^1$H-NMR spectra (300 MHz) of complex 10 in dms-d6.

**Figure ESI4** CV diagram of the fully reversible one electron oxidation of complex 11.