Supporting information for

Syntheses, structures and properties of a series of non-heme alkoxide-Fe(III) complexes of a benzimidazolyl-rich ligand as models for lipoxygenase

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Fig. S1. X-band EPR spectra of complexes 2 and 5 in the polycrystalline state at 110 K (f = 9.482 GHz).
Fig. S2 Cyclic voltammograms of complexes 1, 2, 3, 4 and 5 in dry acetonitrile (c = 1.0 mM) under dry Ar atmosphere with scan rate of 50 mV/s, 0.10 M TBAP as the supported electrolyte.
Fig. S3 Cyclic voltammograms of complex 3 in dry acetonitrile (c = 1.0 mM) under dry Ar atmosphere at room temperature with scan rate of 50 mV/s, 0.10 M TBAP as the supported electrolyte.
Fig. S4 ESI-MS spectra for complexes 2-5 with methanol as solvent.
**Fig. S5** First-order rate constants for the reduction of complexes 2-5 in the presence of 9,10-dihydroanthracene (DHAn) or $d_4$-9,10-dihydroanthracene ($d_4$-DHAn) in MeOH for 2, EtOH for 3, $n$-PrOH for 4 and $n$-BuOH for 5 at 333 K, respectively.