Synthesis, Characterization, and Reactivity Studies of a Hydrosoluble Bis(alkoxo)(carboxylato)-bridged DiMn$^{III}$ Complex Modeling the Active Site in Catalase

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Figure S1. Negative mode ESI-mass spectra of 1 in (a) methanol, (b) H$_2$O and (c) Et$_3$N/Et$_3$NH$^+$ buffer of pH 11.
Figure S2. Electronic spectra of 1 in water registered at different times. [1] = 6.5 \times 10^{-2} \text{mM}.

Figure S3. $^1$H NMR spectra of 1 in D$_4$-methanol (600 µL) and after addition of increasing amounts of D$_3$CCO$_2$Na. [1] = 14 mM.
Figure S4. $^1$H NMR spectra of 1 in D$_4$-methanol (600 µL) and after addition of increasing amounts of D$_2$O. [1] = 20 mM.

Figure S5. Time-dependence of O$_2$ evolution after successive additions of 130 equiv of H$_2$O$_2$ to a DMF solution of 1 (1.5 mM). T = 298 K.