**Supplementary Material**

Synthesis, characterization, theoretical simulation and DNA nuclease activity of a newly synthesized Mn-oximato complex

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Figure S1. TGA of complex.



Figure S2. ESI-MS of complex.



Figure S3. EPR spectra of complex (Mn[sal-oxime]2[H2O]2) at 298 K (g = 1.97; freq. = 9445.141 MHz, power = 0.9908 mW, sweep time = 4.00 min).



Figure S4. HOMO and LUMO of sal-oxime ligand.