**Supplementary information**

**Kinetics and mechanism of incorporation of zinc(II) into tetrakis(1-methylpyridium-4-yl)porphyrin in aqueous solution**

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302 nm (*λ*max of Zn(II) species)

**Supplementary Figure S-1**. Absorption spectra of 1.0×10-3 M Zn2+ in 0.10 M (NaNO3) solution under ambient conditions within a pH range from 2.28 to 10.30. At low pH, the UV-Vis absorption spectrum of hexaaqua octahedral Zn2+ ion, [Zn(H2O)6]2+, is centered at *λ*max = 302 nm. A slight hypochromicity of the absorption band indicates the changing the Zn2+ species from [Zn(H2O)6]2+ to [Zn(H2O)6-n(OH)n]2-n as a function of solution pH.