

Supplementary Fig. S6 Speciation of pNPP in aqueous solution with an ionic strength of 5 mM at 25 °C. The acid dissociation constants of pNPP, p K_{a1} and p K_{a2} , are 5.2 and 5.8 [12]. The activity coefficients for the deprotonated species pNPP⁻ and pNPP²⁻ were estimated to be 0.93 and 0.74, respectively, according to the Davies Equation.

Reference

[12] Li M, Harbron RL, Weaver JVM, Binks BP, Mann S. 2013. Electrostatically gated membrane permeability in inorganic protocells. Nature Chemistry 5:529-536 https://doi.org/10.1038/NCHEM.1644