

Supplementary Materials

Fluorine-Functionalized Polyphosphazene Immunoconjugate: Synthesis, Solution Behavior and *In Vivo* Potency

Harichandra D. Tagad ¹, Alexander Marin ¹, Ruixue Wang ¹, Abdul S. Yunus ¹, Thomas R. Fuerst ^{1,2} and Alexander K Andrianov ^{1,*}

¹ Institute for Bioscience and Biotechnology Research, University of Maryland Rockville, MD 20850, USA

² Department of Cell Biology and Molecular Genetics, University of Maryland, College Park, MD 20742, USA

* Correspondence: aandrianov@umd.edu

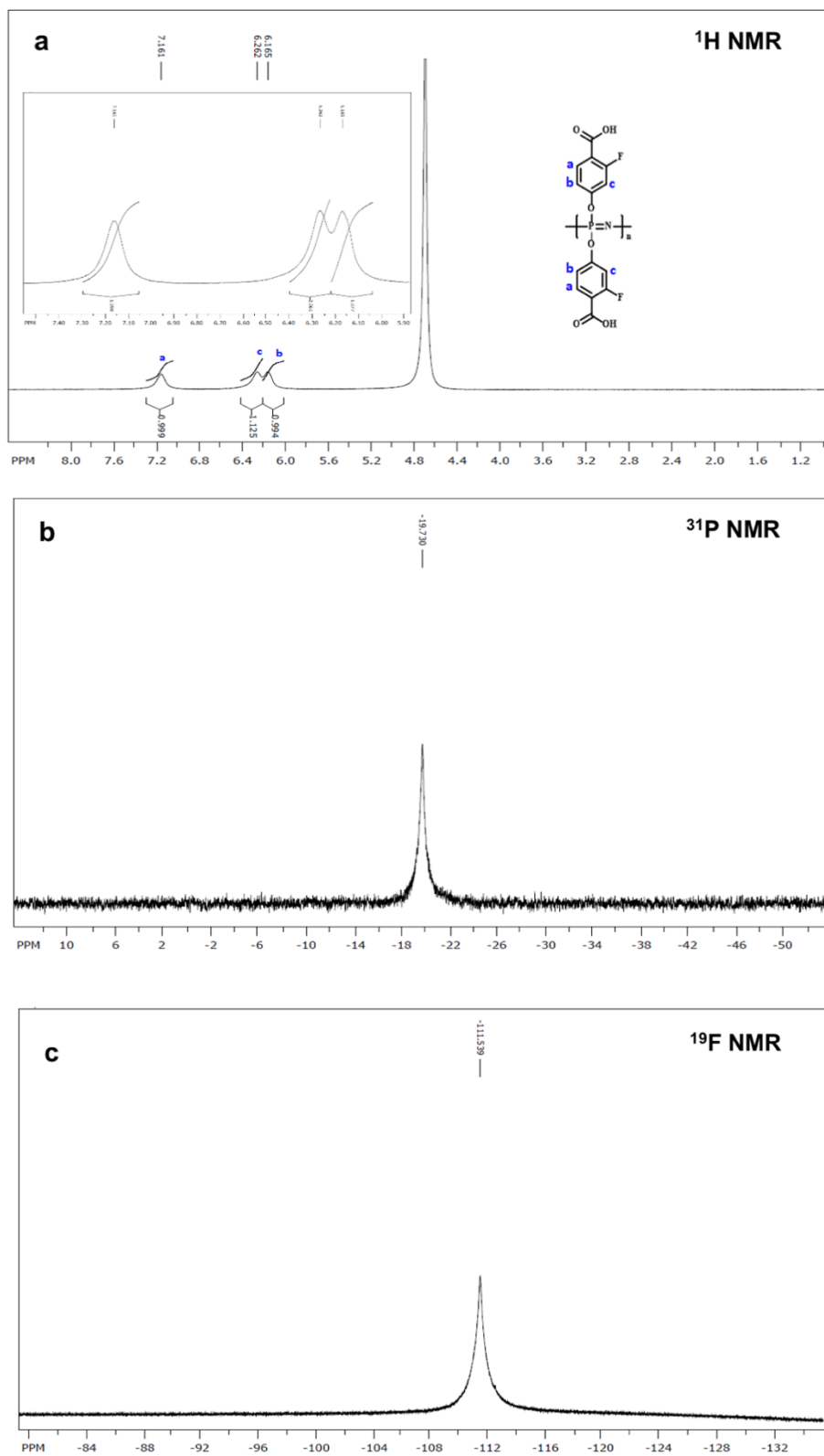


Figure S1. (a) ¹H, (b) ³¹P and (c) ¹⁹F NMR spectra of PCPP-F (D₂O).

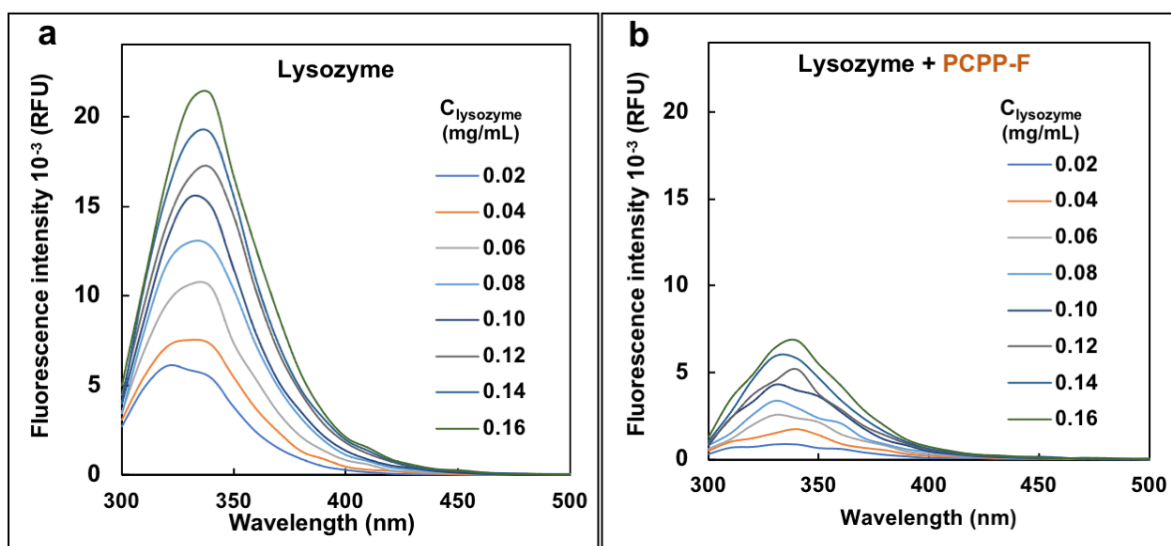


Figure S2. Fluorescence spectra of (a) lysozyme and (b) lysozyme - PCPP-F formulations in aqueous solutions at various concentration of protein showing fluorescence quenching effect of PCPP-F (0.05 mg/mL PCPP-F; phosphate buffer, pH 7.4; λ_{ex} - 300 nm).

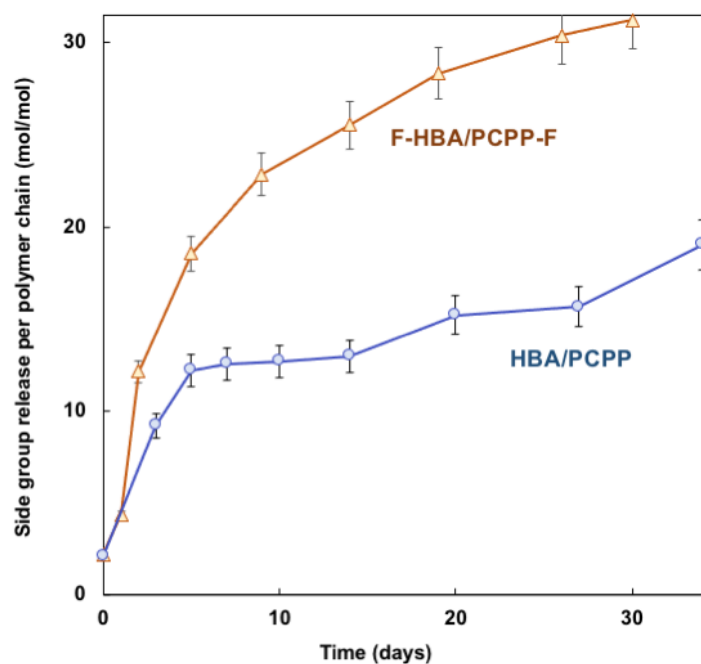


Figure S3. Release of low molecular weight products containing polymer side groups as detected by SEC: hydroxybenzoic acid (HBA) of PCPP and fluorinated hydroxybenzoic acid (F-HBA) of PCPP-F (0.25 mg/mL polymer; 80°C; PBS, pH 7.4).