Figure S1a. ^{1}H NMR spectra of HPPTCA

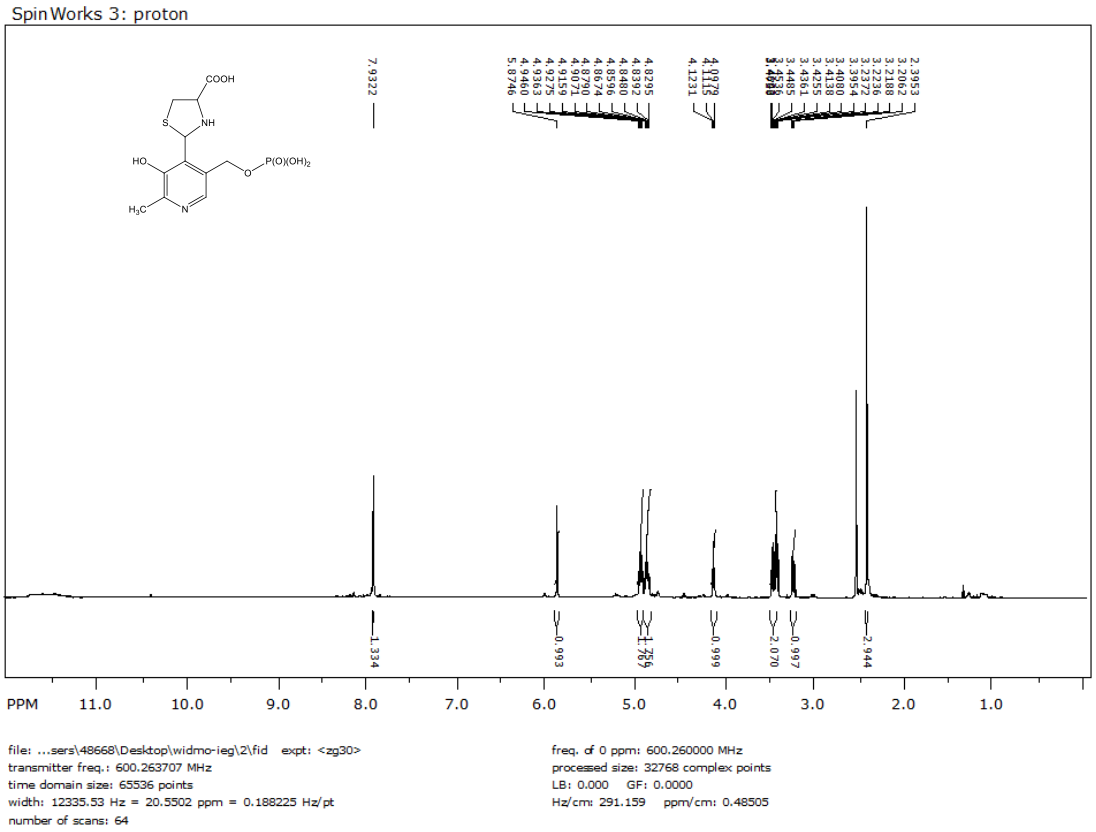


Figure S1b. ^{13}C NMR spectra of HPPTCA

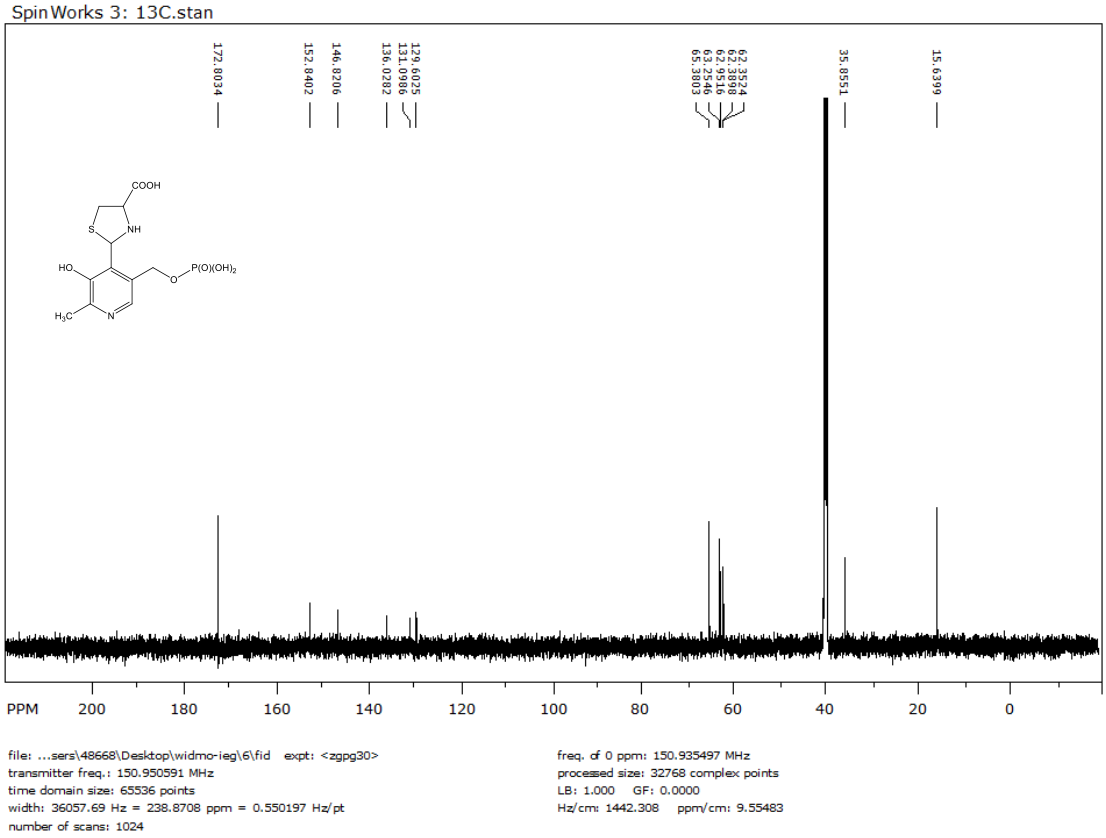
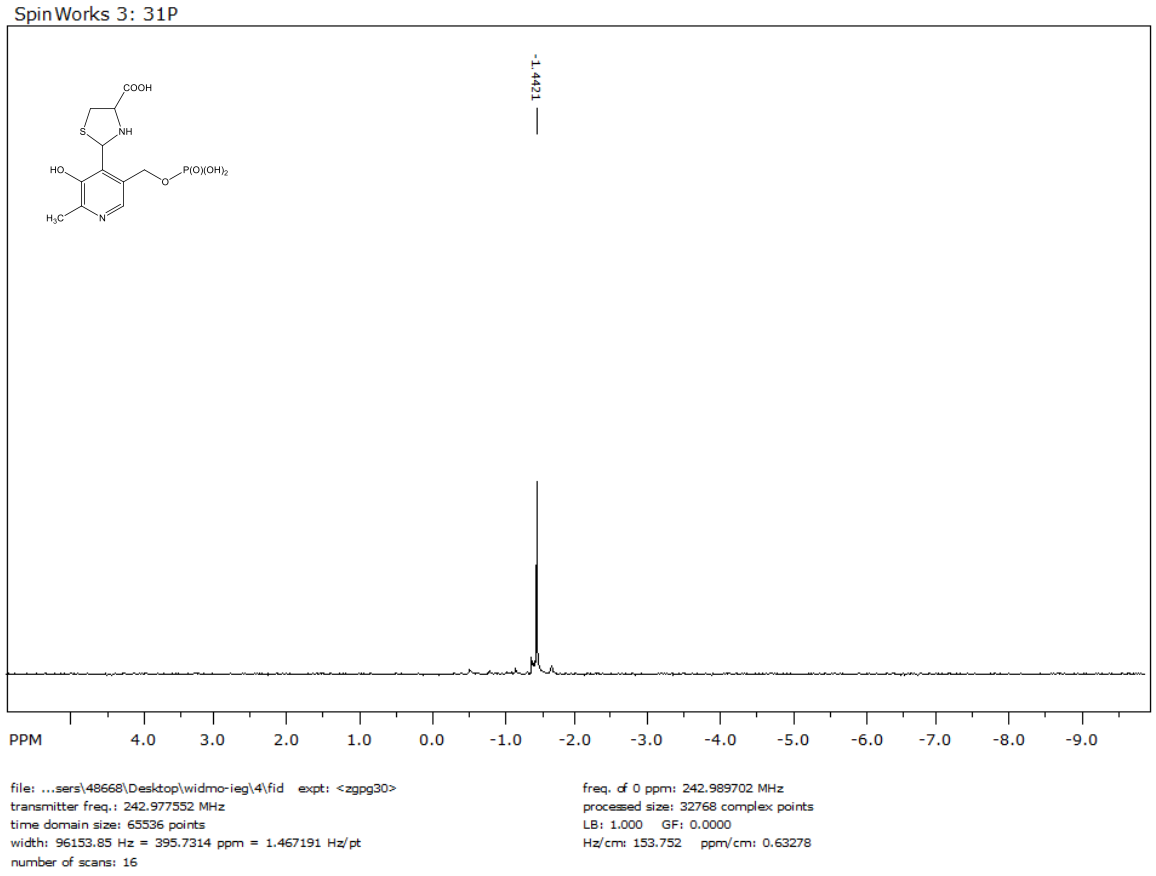


Figure S1c. ^{31}P NMR spectra of HPPTCA



file: ...sers\48668\Desktop\widmo-ieg\4\fid expt: <zgpg30>
transmitter freq.: 242.977552 MHz
time domain size: 65536 points
width: 96153.85 Hz = 395.7314 ppm = 1.467191 Hz/pt
number of scans: 16

freq. of 0 ppm: 242.989702 MHz
processed size: 32768 complex points
LB: 1.000 GF: 0.0000
Hz/cm: 153.752 ppm/cm: 0.63278

Figure S2. Protonated $[M+H]^+$ at *m/z* 351.00 and deprotonated [M-H] at *m/z* 349.05 molecular ions of HPPTCA obtained in positive and negative mode, respectively.