

Figure S1a. ¹H NMR spectra of HPPTCA

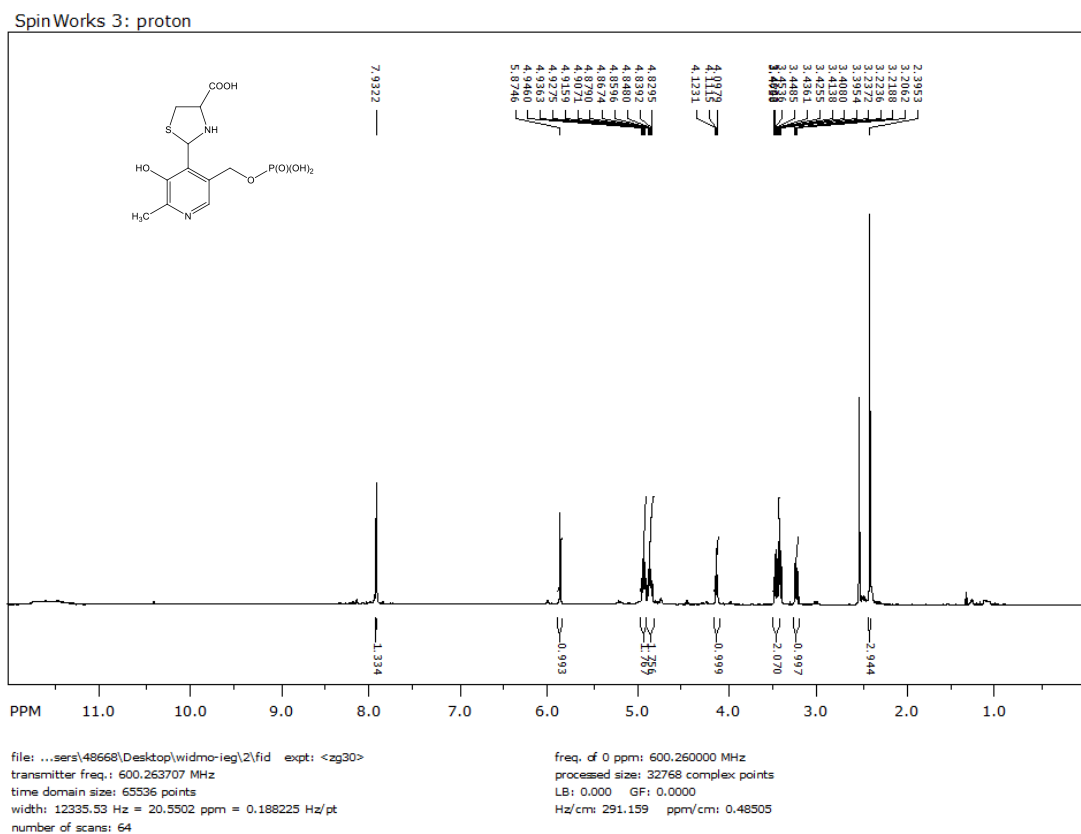
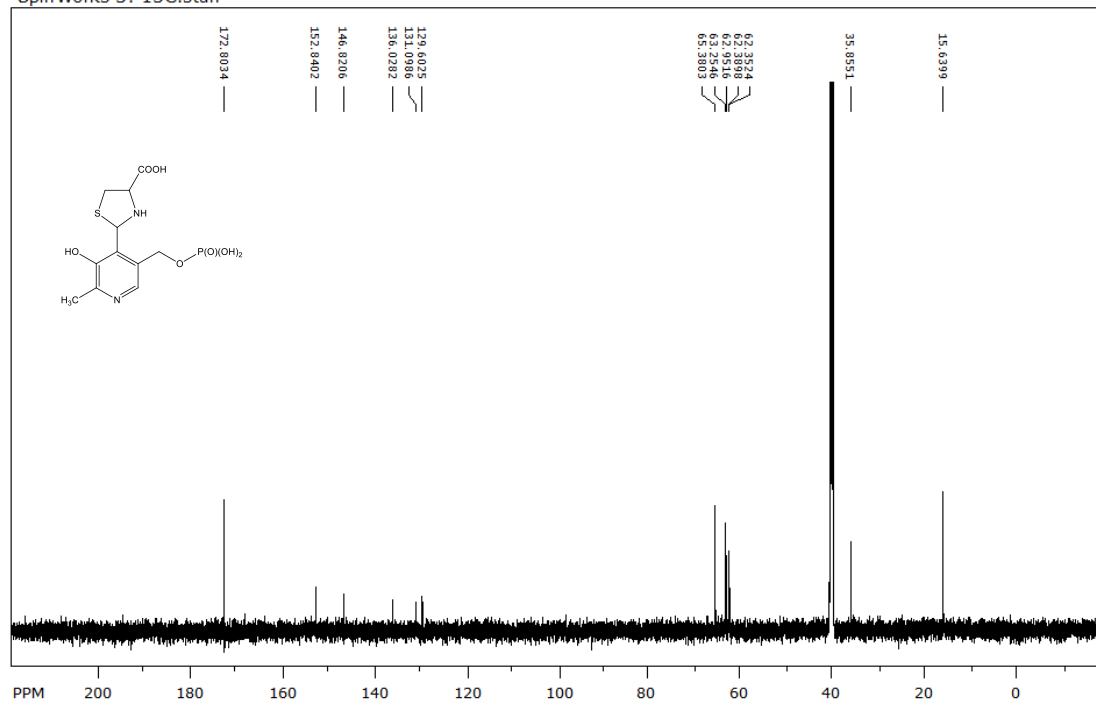


Figure S1b. ^{13}C NMR spectra of HPPTCA

SpinWorks 3: 13C.stan

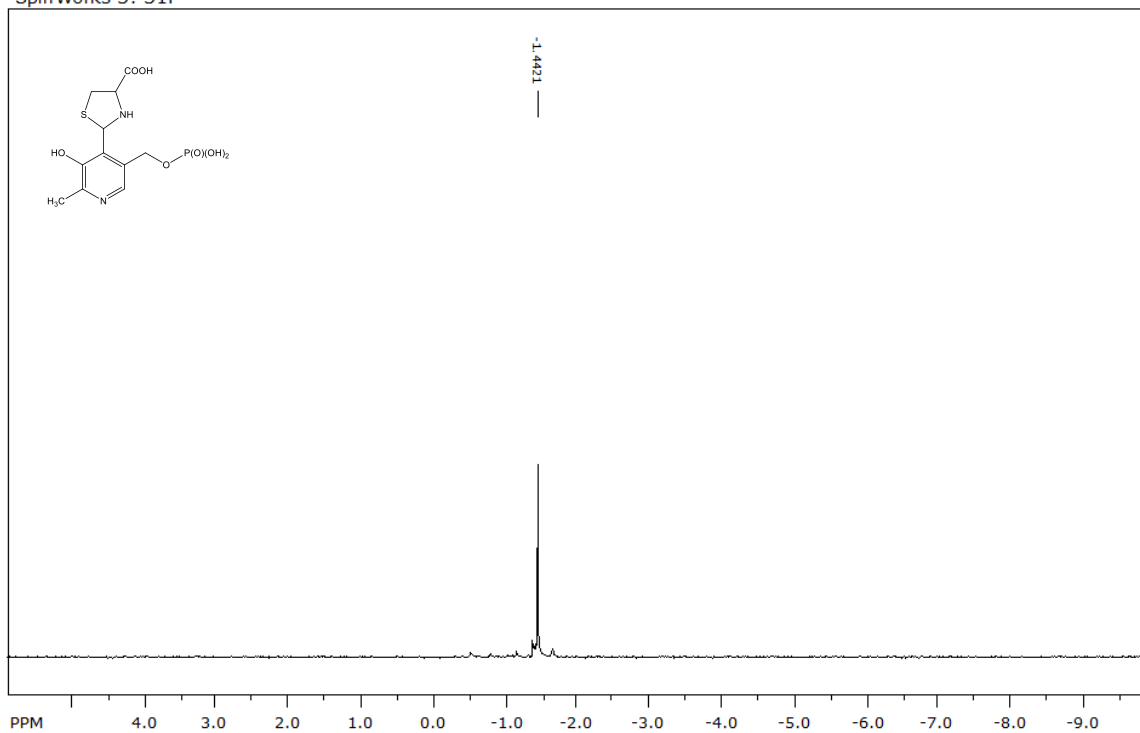


file: ...sers\48668\Desktop\widmo-ieg\6\fid expt: <zpgg30>
transmitter freq.: 150.950591 MHz
time domain size: 65536 points
width: 36057.69 Hz = 238.8708 ppm = 0.550197 Hz/pt
number of scans: 1024

freq. of 0 ppm: 150.935497 MHz
processed size: 32768 complex points
LB: 1.000 GF: 0.0000
Hz/cm: 1442.308 ppm/cm: 9.55483

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

SpinWorks 3: ^{31}P



file: ...sers\48668\Desktop\widmo-ieg\4\fid exp: <zggg30>
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.

