

Inorganic Chemistry

including bioinorganic chemistry

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Supplementary Material

Fig.1 pH dependence of the ^1H -NMR resonances of ligand PCTA-[14] recorded at 400 MHz and 25°C.

Fig.2 pH dependence of the ^1H -NMR resonances of ligand PCTA-[13] recorded at 400 MHz and 25°C.

Fig.3 ^1H NMR spectra of **a)** LaPCTA-[14] , **b)** LaPCTA-[13] , **c)** LaPCTA-[12], recorded at 400 MHz and 50°C, in D_2O at pD = 7. The label w indicates HDO signal, whereas the asterisk indicates CH_3OH signal present as a impurity. *tert*-butyl alcohol was added as an internal reference ($\delta = 1.29$ ppm).

Fig.4 ^1H NMR spectra of **a)** LuPCTA-[14] , **b)** LuPCTA-[13] , **c)** LuPCTA-[12] recorded at 400 MHz and 50°C. in D_2O at pD = 7. The label w indicates HDO. *tert*-butyl alcohol was added as an internal reference ($\delta = 1.29$ ppm).

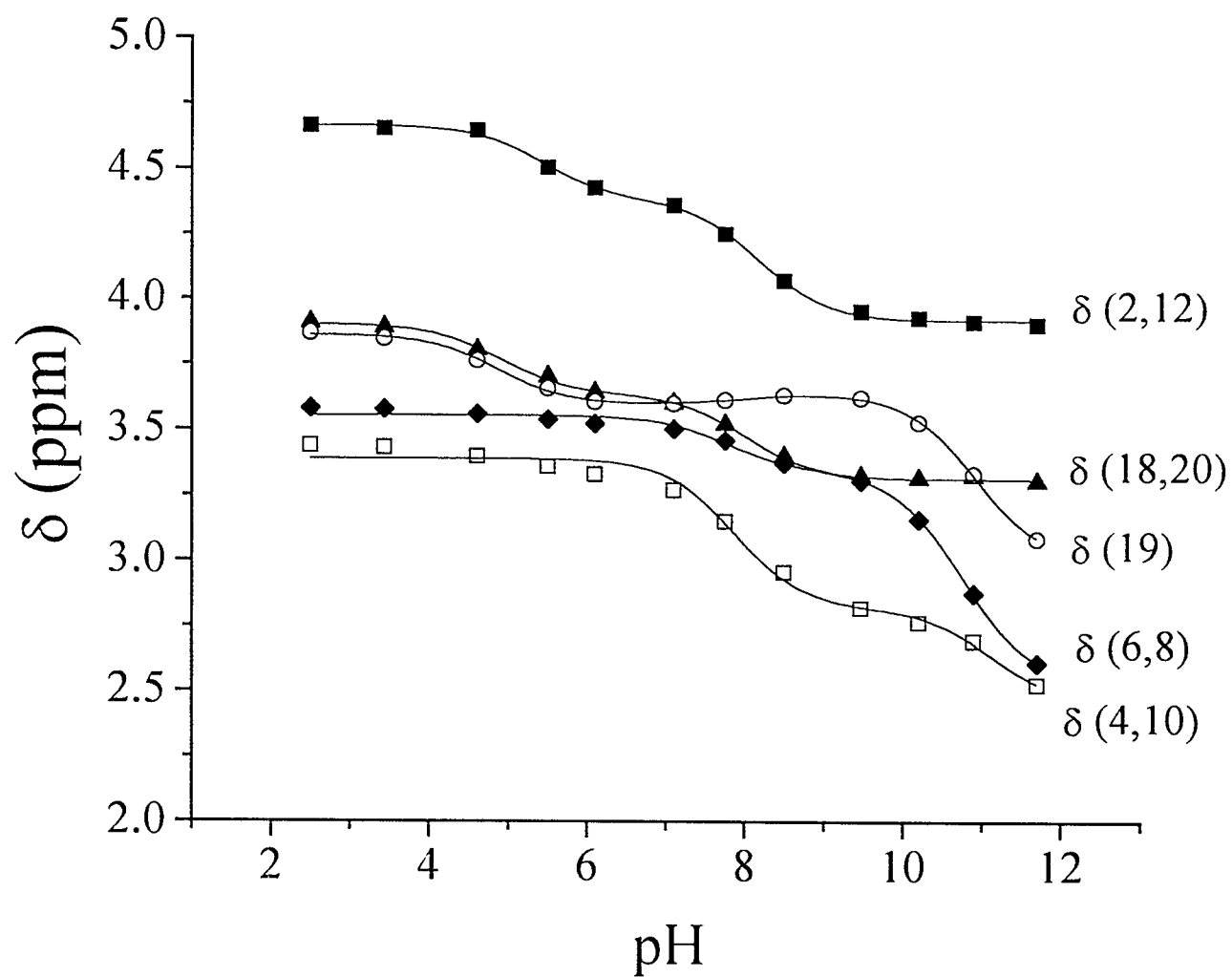


Figure 1

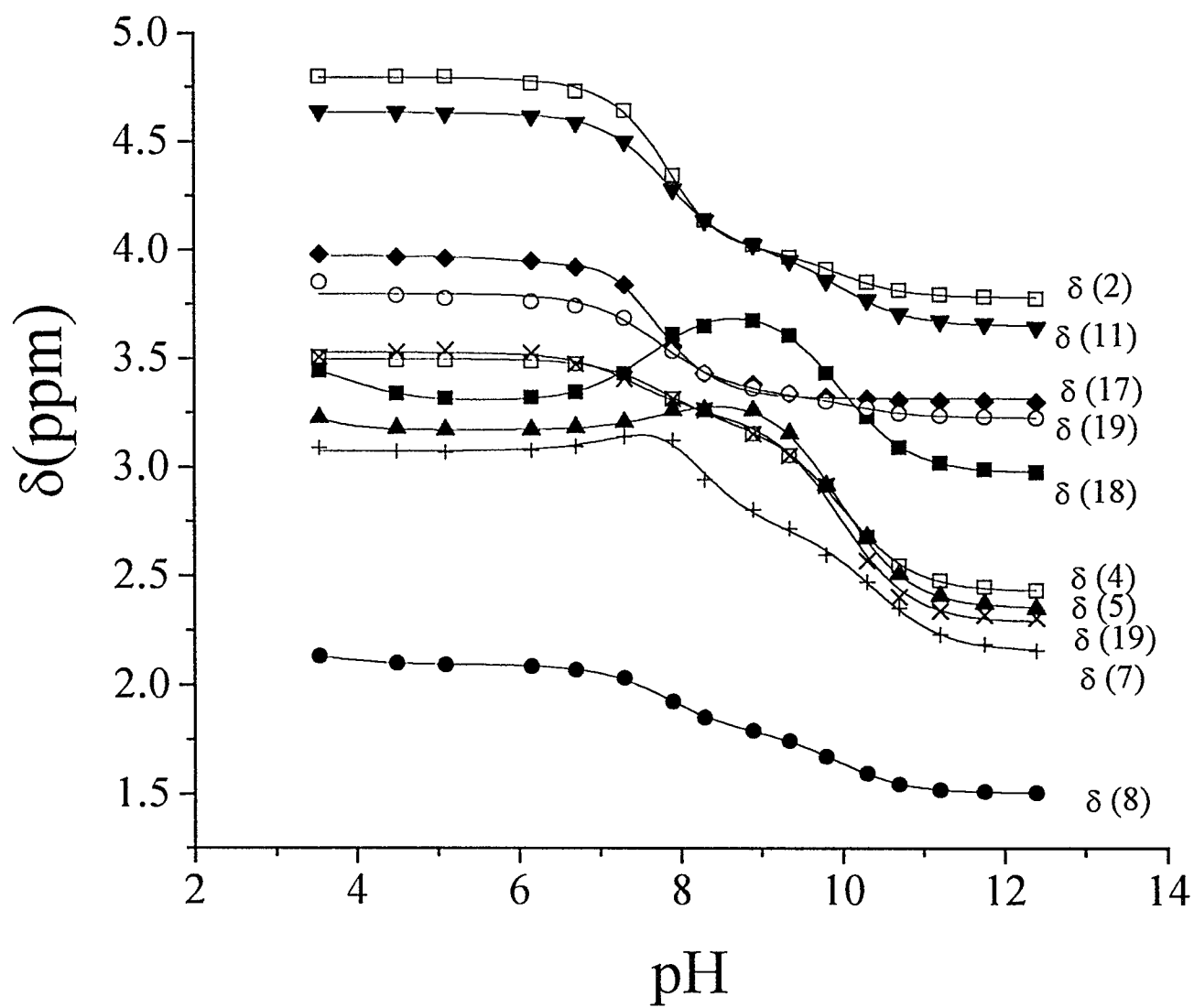


Figure 2

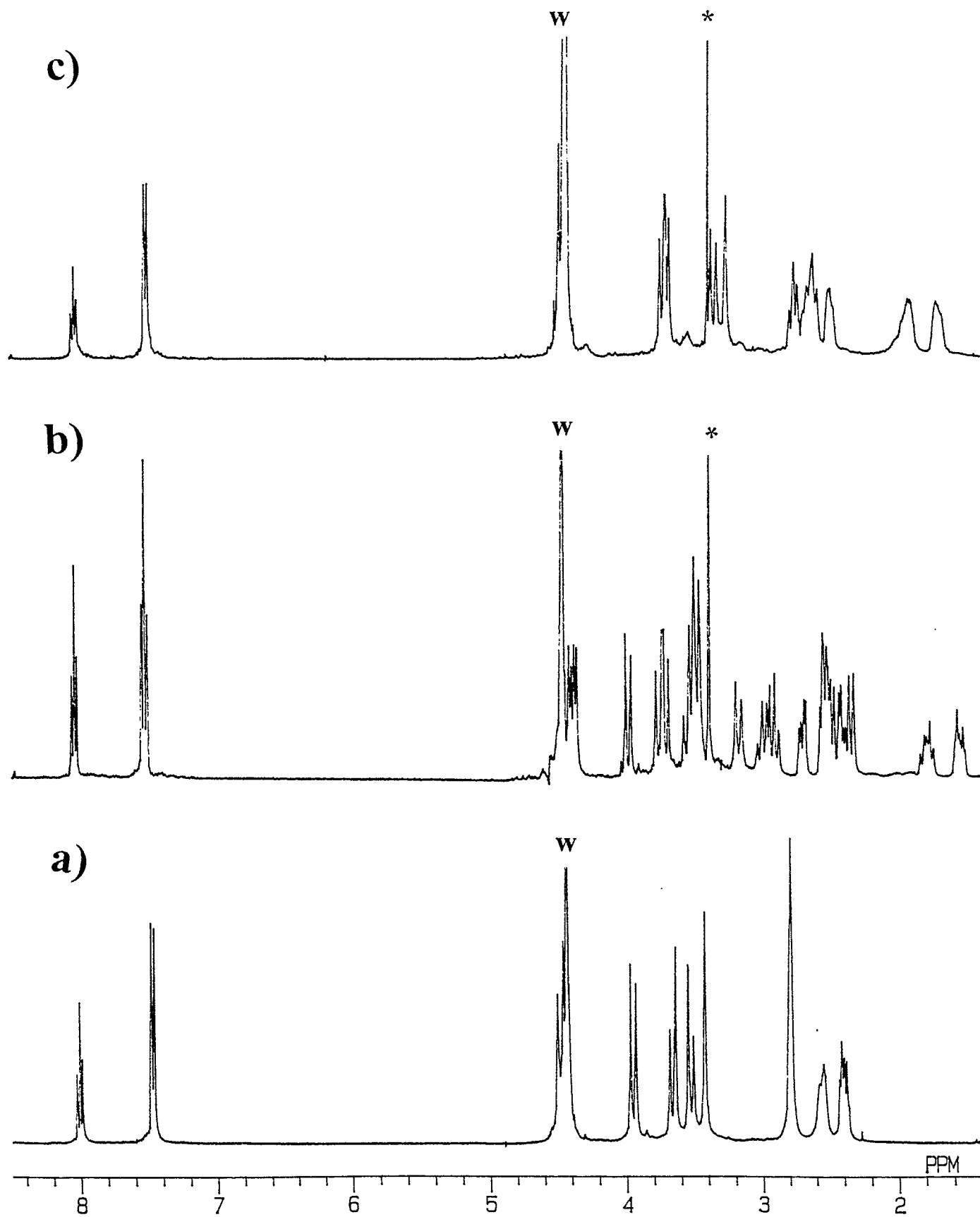


Figure 3

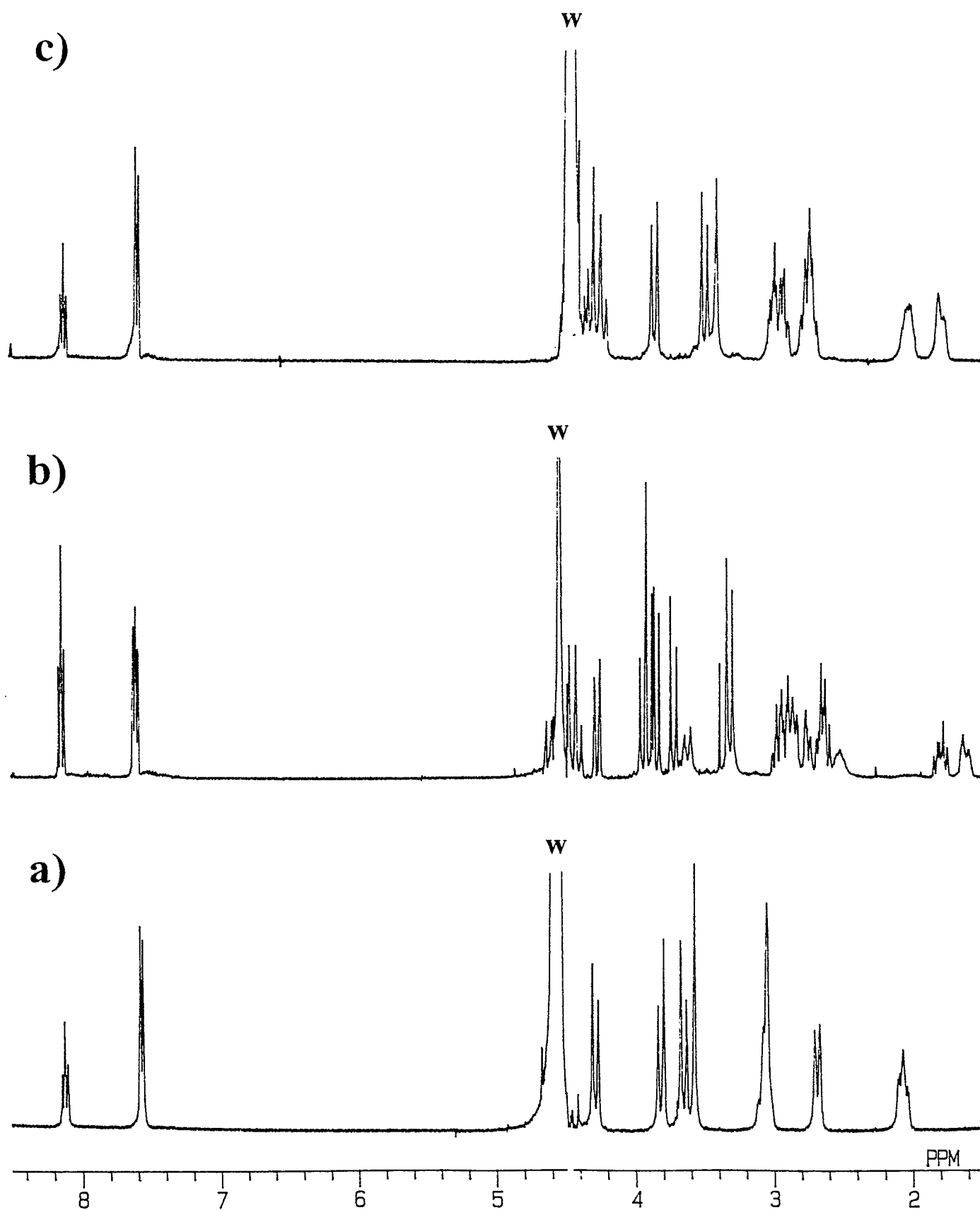


Figure 4