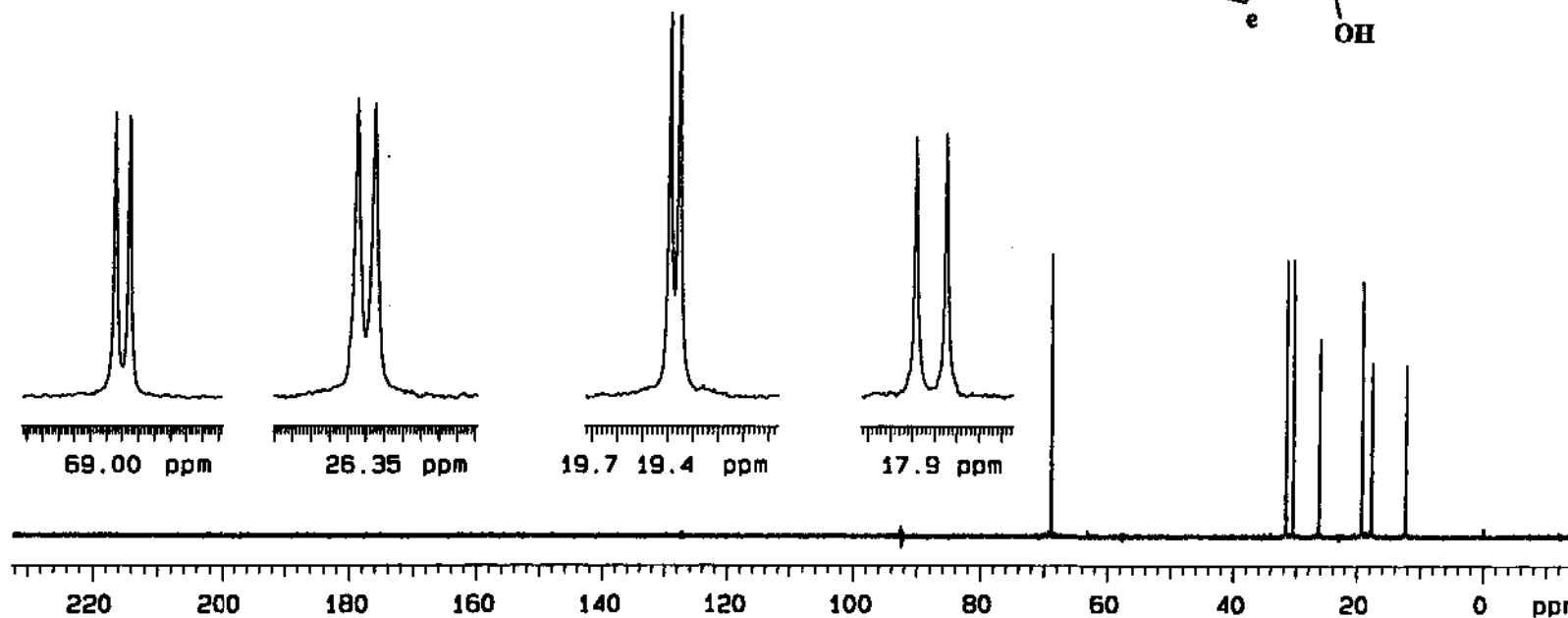
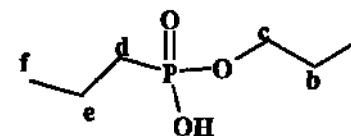


**Propyl propylphosphonate**  
21921-97-1

**$^{13}\text{C}\{^1\text{H}\}$  NMR**



Res.freq: 125.697 MHz  
Solvent:  $\text{D}_2\text{O}$  (pH=14)  
Temperature: 28°C  
Concentration: 0.077  $\mu\text{l}/\mu\text{l}$   
Reference: TSPA- $\text{d}_4$  [internal]  
Spectral Width: 31298.9 Hz  
Data points [Fid]: 115712  
Data Points [Spectrum]: 256K

Pulse Width: 10  $\mu\text{s}$  [72°]  
Number of Scans: 4096  
Line Broadening: exp. 0.5 Hz  
Rep.time: 1.85 s  
Resolution: 1.6 Hz (TSPA- $\text{d}_4$ )  
Instrument: Varian INOVA 500

nuc $\delta$ [ppm]	J[Hz]
a: 12.42	
b: 26.35	$J(\text{b,P}) = 6.0$
c: 68.95	$J(\text{c,P}) = 5.5$
d: 31.13	$J(\text{d,P}) = 134.2$
e: 19.37	$J(\text{e,P}) = 4.8$
f: 17.82	$J(\text{f,P}) = 17.4$

*Urs Meier*