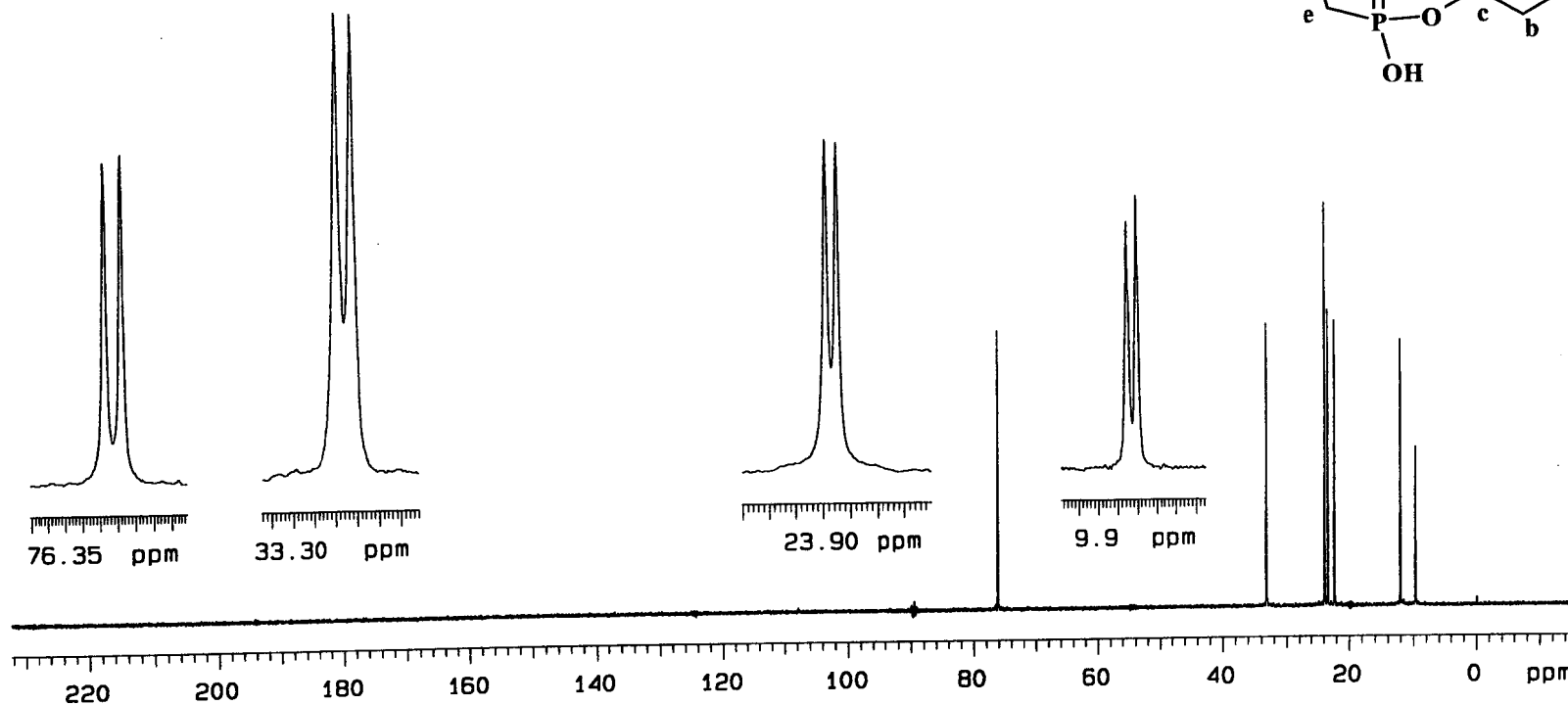
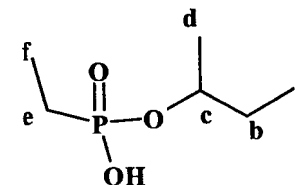


**Sec-Butyl ethylphosphonate**  
[170082-57-2]

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



Res.freq: 125.697 MHz  
Solvent: D<sub>2</sub>O (pH=14)  
Temperature: 28°C  
Concentration: 0.077 μl/μl  
Reference: TSPA-d<sub>4</sub> [internal]  
Spectral Width: 31298.9 Hz  
Data points [Fid]: 115712  
Data Points [Spectrum]: 256K

Pulse Width: 10 μs [72°]  
Number of Scans: 4096  
Rep.time: 1.85s Hz  
Line Broadening: exp. 0.5  
Resolution: 1.1 Hz (TSPA-d<sub>4</sub>)  
Instrument: Varian INOVA 500

*Chris Meier*

nuc δ[ppm]	J[Hz]
a: 12.00	
b: 33.18	J(b,P) = 4.5
c: 76.21	J(c,P) = 6.2
d: 23.89	J(d,P) = 2.6
e: 22.90	J(e,P) = 137.8
f: 9.73	J(f,P) = 6.2

OPCW Code: 07-3-0517 (p1/1)