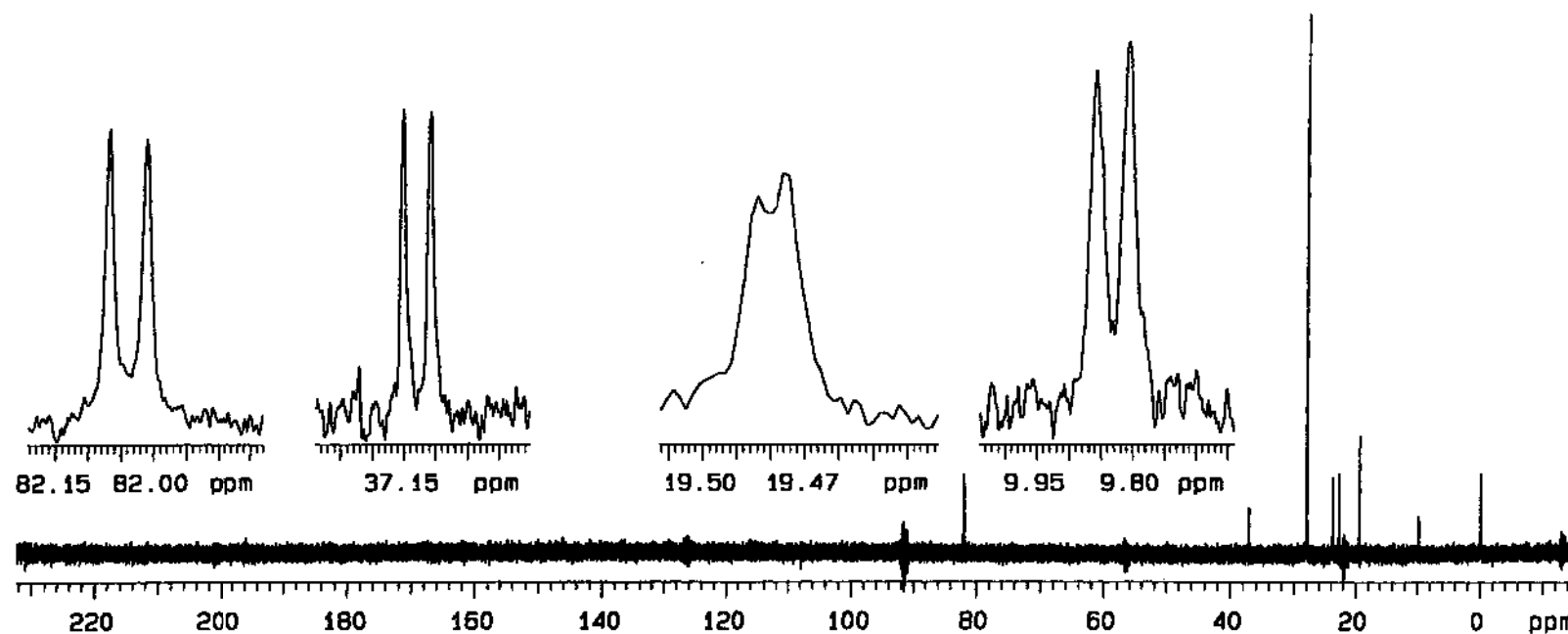
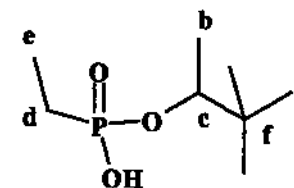


**Pinacolyl ethylphosphonate**  
[143663-83-6]

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



Res.freq: 125.697 MHz  
Solvent: D<sub>2</sub>O (pH=14)  
Temperature: 28°C  
Concentration: 0.035 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  
Line Broadening: exp. 0.5 Hz  
Rep.time: 1.85 s  
Resolution: 1.7 Hz (TSPA-d<sub>4</sub>)  
Instrument: Varian INOVA 500

*U. Meier*

| mc δ[ppm] | J[Hz]          |
|-----------|----------------|
| a: 28.04  |                |
| b: 19.48  | J(b,P) = 1.1   |
| c: 82.04  | J(c,P) = 7.2   |
| d: 23.26  | J(d,P) = 139.0 |
| e: 9.84   | J(e,P) = 6.2   |
| f: 37.16  | J(f,P) = 5.3   |

OPCW Code: 07-3-0573 (p1/1)