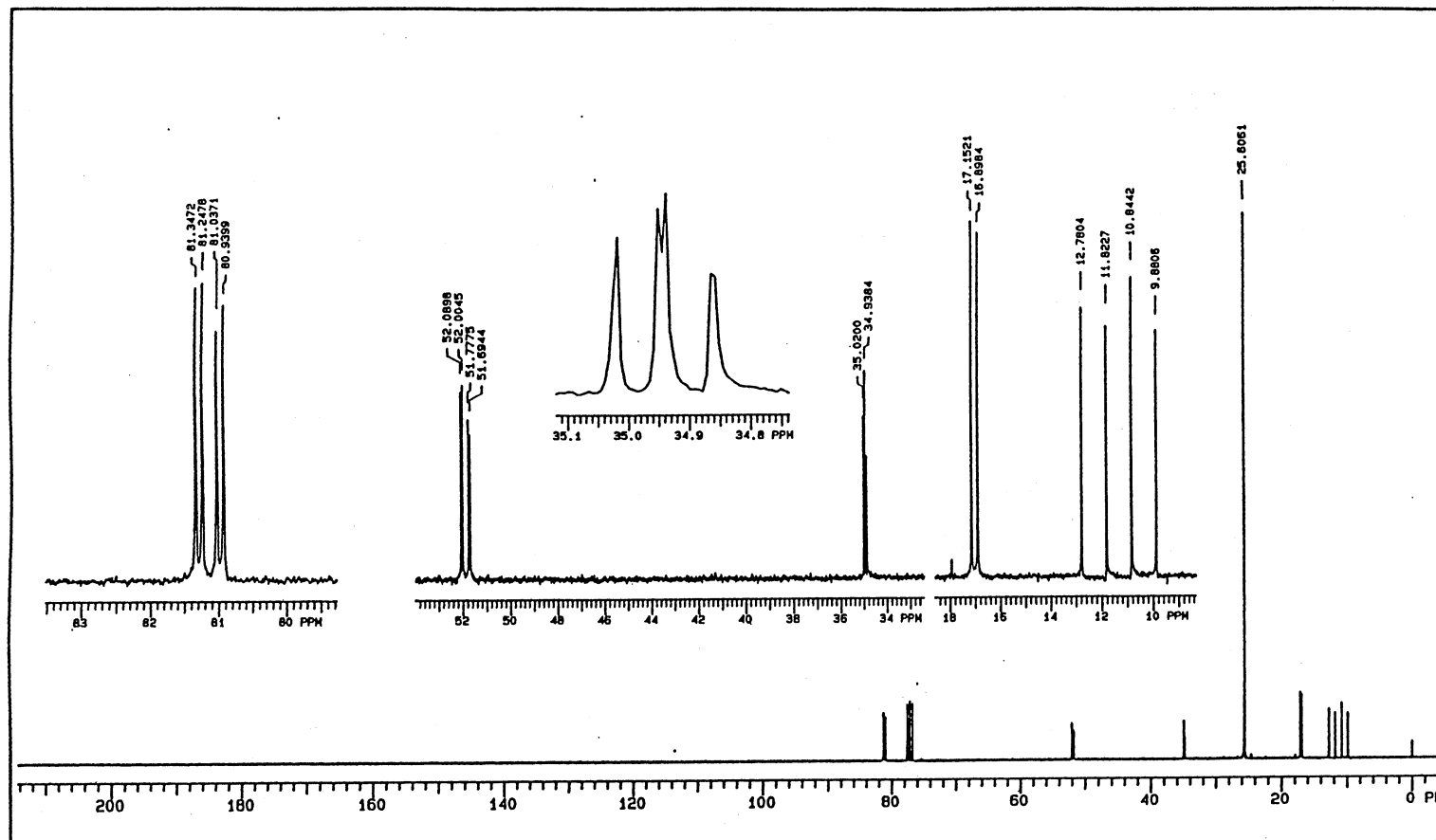
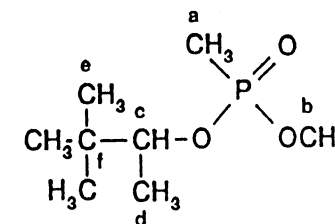


## Methyl pinacolyl methylphosphonate

[7040-59-7]

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

nuc.	$\delta$ [ppm]
a	10,85, 11.81
b	51.73, 52.04
c	80.99, 81.29
d	16.90, 17.15
e	25.61
f	34.90, 34.98

J(a,P)	146.2 Hz
J(b,P)	6.4 Hz
J(c,P)	7.3 Hz
J(d,P)	< 1.0 Hz
J(f,P)	5.8, 5.0 Hz

mixture of diastereomers

Res. freq. 75.429 MHz  
 Solvent:  $\text{CDCl}_3$   
 Temperature: 24°C  
 Concentration: approx. 100mg/ml  
 Reference: TMS (internal)

Spectral width: 16502 Hz  
 Data points (FID): 54080  
 Data points (spec.): 32K  
 Pulse width: 5.6  $\mu\text{s}$  (38°)  
 Number of scans: 3922

Rep.time.: 1.64 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 0.83 Hz (TMS)  
 Instrument: Varian VXR-300  
 Filename: