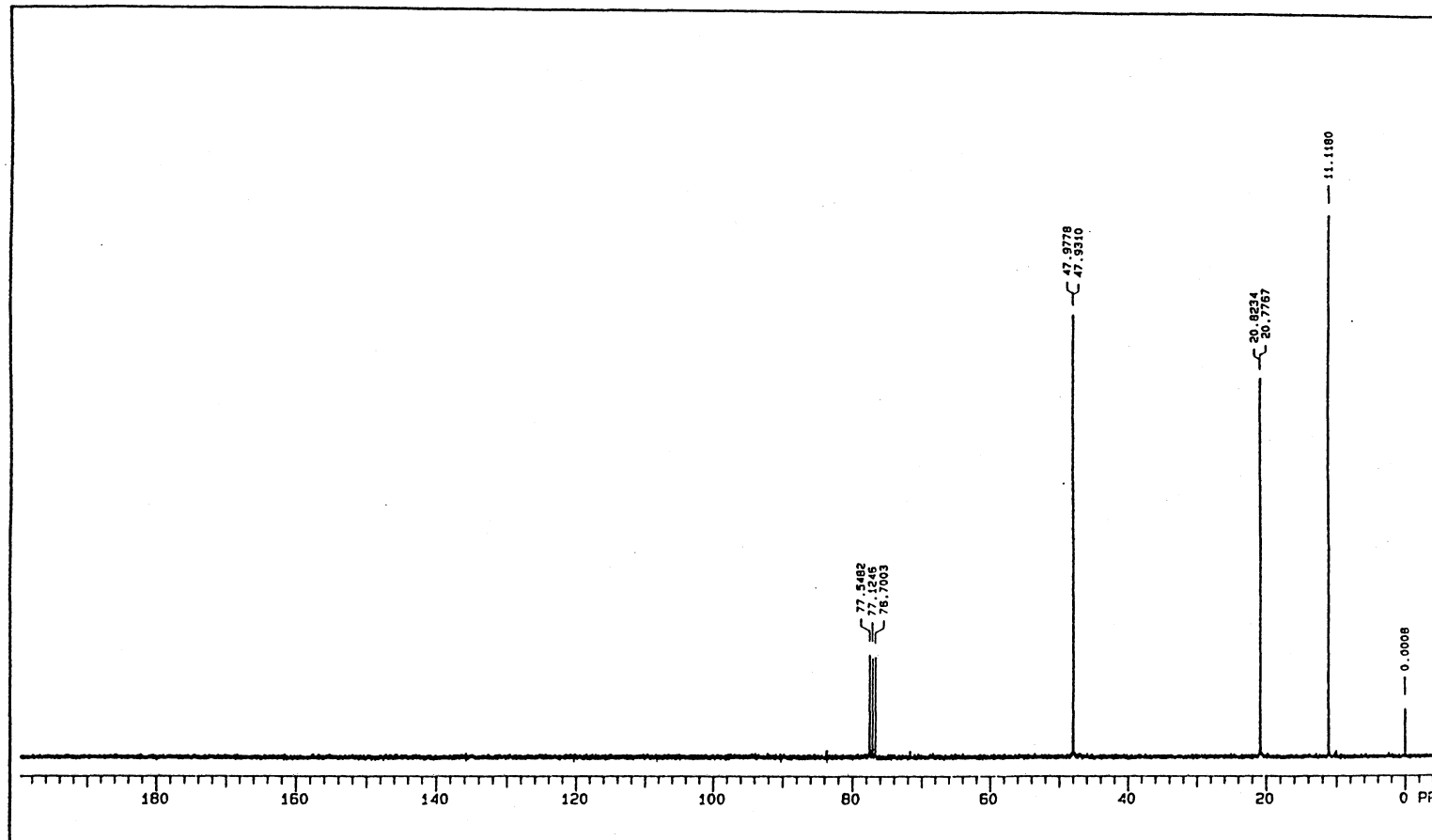
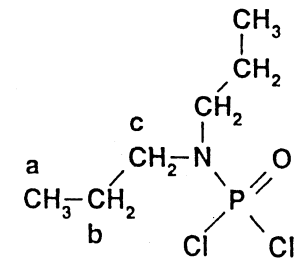


# N,N-Di-n-propyl phosphoramidic dichloride

[40881-98-9]

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

nuc.	$\delta$ [ppm]
a	11.12
b	20.80
c	47.95
J(b, P)	3.6 Hz
J(c, P)	3.5 Hz

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: 1313

Rep.time.: 1.64 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 0.93 Hz (TMS)  
 Instrument: Varian VXR-300  
 Filename: ME2151/91