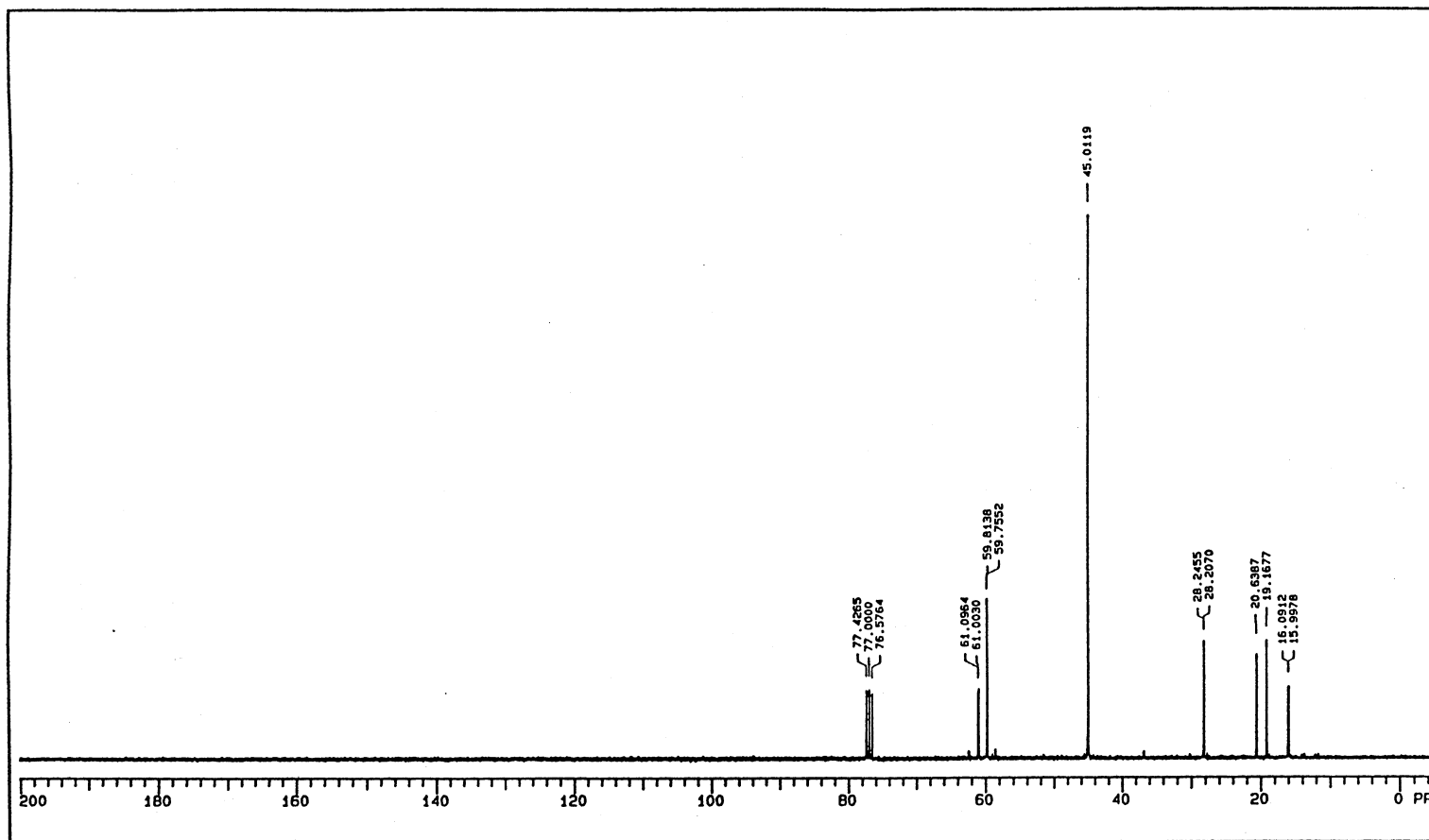
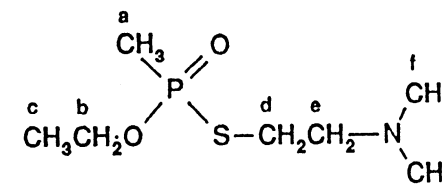


## Ethyl S-2-(dimethylamino)ethyl methylphosphonothiolate

[20820-80-8]

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

nuc.	$\delta$ [ppm]
a	19.90
b	61.04
c	16.04
d	28.23
e	59.78
f	45.01

J(a,P)	110.8 Hz
J(b,P)	7.1 Hz
J(c,P)	7.0 Hz
J(d,P)	2.9 Hz
J(e,P)	4.4 Hz

Res. freq. 75.429 MHz  
 Solvent:  $\text{CDCl}_3$   
 Temperature: 24°C  
 Concentration: approx. 100mg/ml  
 Reference:  $\text{CDCl}_3$  (77.0ppm)

Spectral width: 16502 Hz  
 Data points (FID): 54080  
 Data points (spec.): 32K  
 Pulse width: 5.6  $\mu\text{s}$  (38°)  
 Number of scans: 826

Rep.time.: 1.64 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 0.88 Hz (C-a)  
 Instrument: Varian VXR-300  
 Filename: