

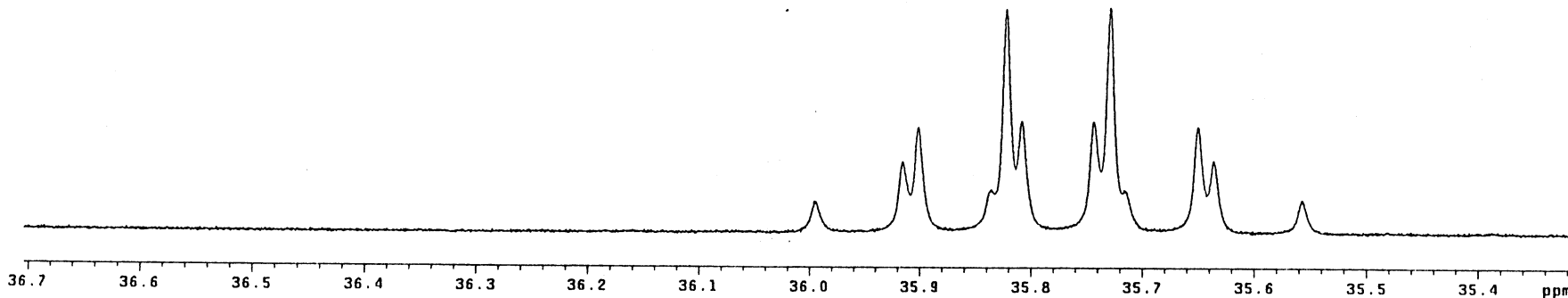
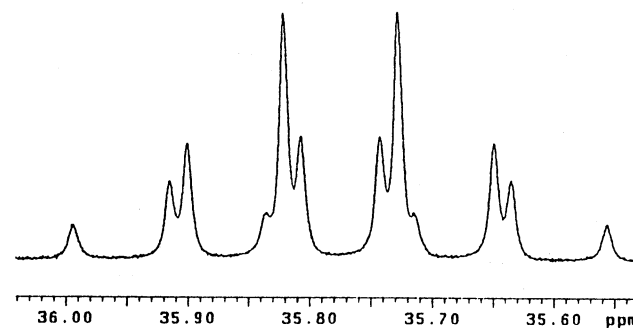
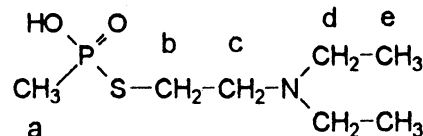
31P-NMR pjc01c dm-n  
 33.8mg S-2-diethylaminoethyl methyl-  
 phosphonothioate in ca 0.72ml CDCl3  
 214196066.004 jrn.407;016/100  
 Solvent: CDCl3  
 Temp: 30.0 C / 303.1 K  
 User: pm1  
 File: pjc01c  
 VXR-400S "pmlvwr"  
 PULSE SEQUENCE  
 Relax. delay 3.400 sec  
 Pulse 60.0 degrees  
 Acq. time 9.063 sec  
 Width 225.5 Hz  
 64 repetitions  
 OBSERVE P31, 161.9047102 MHz  
 DATA PROCESSING  
 FI size 16384  
 Total time 13 minutes

SPECTRAL LINES for th=2.5

rfl= -5717.3 rfp= 0.0

dres 35.8ppm:1.4Hz

nr	Hz	ppm	intensity
1	5828.09	35.996	4.6
2	5815.09	35.915	10.4
3	5812.75	35.901	15.3
4	5800.06	35.823	32.7
5	5797.75	35.808	16.3
6	5787.26	35.744	16.2
7	5784.98	35.729	32.9
8	5772.20	35.651	15.5
9	5769.84	35.636	10.6
10	5757.01	35.557	4.7



S-2-diethylaminoethyl methylphosphonothiolate

CAS

Nucleus :

Frequency :

Concentration :

Reference H<sub>3</sub>PO<sub>4</sub> external.

Instrument :

<sup>31</sup>P

161.9 MHz

ca. 33.8 mg/0.72 ml CDCl<sub>3</sub>

Res. : 1.4 Hz (35.8 ppm)

Varian VXR 400S

Temperature : 30 °C

Spectral width : 225.5 Hz

Data point (FID) : 4 K

Pulse angle : 10.3 μs (60°)

Number of pulses : 64

Repetition time : 12.5 s

Line broadening : not used

Data points (spec) : 16 K

P: 35.7 ppm

J(aP) : 15.1 Hz

J(bP) : 12.7 Hz

OPCW Code:6-3-273B (p1/1)