

31P-NMR pjh06c3 + TSP pH=ca 2
17.6mg V27 in 0.7ml D2O + dr DC1
214196066.004 jrn.458;051/100

Solvent: D2O
Temp: 30.0 C / 303.1 K
User: pm1
File: pjh06c3
VXR-400S "pmlvvr"

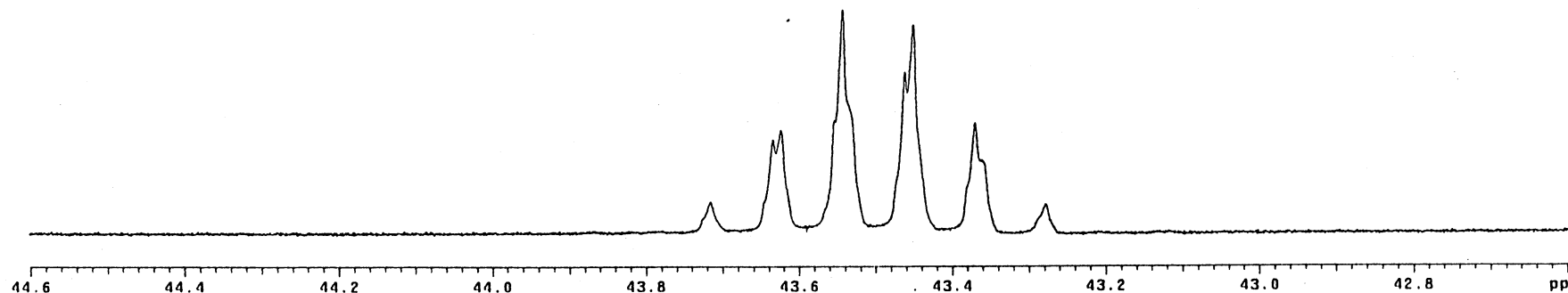
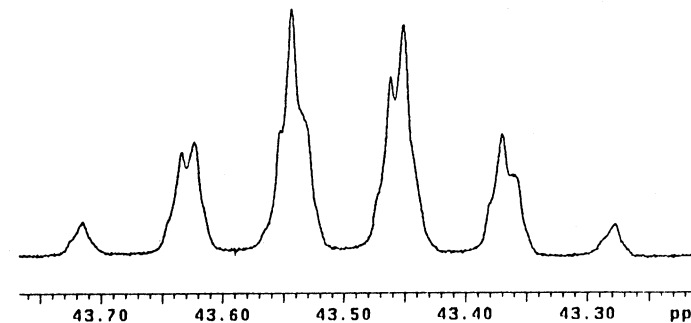
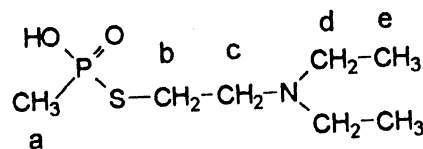
PULSE SEQUENCE
Relax. delay 3.000 sec
Pulse 60.0 degrees
Acq. time 6.251 sec
Width 327.6 Hz
256 repetitions
OBSERVE P11, 161.9024953 MHz
DATA PROCESSING
FT size 16384
Total time 39 minutes

SPECTRAL LINES for th-1.9

rfl= 149.2 rfp= 7043.1

dres 43.5ppm:3.4Hz

nr	Hz	ppm	Intensity
1	7077.91	43.715	4.5
2	7064.71	43.634	13.4
3	7063.03	43.623	14.9
4	7049.95	43.543	32.5
5	7036.79	43.461	23.5
6	7035.03	43.450	30.3
7	7021.96	43.370	15.9
8	7007.12	43.278	4.0



S-2-diethylaminoethyl methylphosphonothiolate

CAS

Nucleus :

Frequency :

Concentration : 17.6 mg/0.7 ml D₂O + DCI (pH=2)

Reference H₃PO₄ external. Res. :3.4 Hz (43.5 ppm)

Instrument : Varian VXR 400S

Temperature : 30 °C

Spectral width : 327.6 Hz

Data point (FID) : 4 K

Pulse angle : 5.7 μs (60°)

Number of pulses : 256

Repetition time : 9.3 s

Line broadening : not used

Data points (spec) : 16 K

P: 43.5 ppm J(aP) : ca 15 Hz

J(bP) : ca 13 Hz